









# WB C U S

# THE B TOW\_N FUSE

EAST BAY RADIO CLUB. P.O. BOX 782, EL CERRITO, CA 94530. MEMBER ARNS.

The East Bay Radio Club meets the second Friday of each month at the Casa Cerrito, 6927 Portola Drive, El Cerrito, CA. at 8 p.m. Next Meeting: January 14, 1977.

## OFFICERS

PRESIDENT: STEVE DODGE, K6ZR  
VICE PRES: CHRIS BALDO, WB6OGE  
2nd VICE: DAVID BACOM, WA6TPJ  
3rd VICE: JAMES GALE, WA6FDX

## OFFICERS

SECRETARY: JOHN FRANCIS, WN6IWR  
TREASURER: BETTY BALDO  
EDITOR &  
MAILER : JONATHAN HYMER, WB6FJC

## ROSTER CHANGES

Please change the following listings on your rosters:

NAME	OLD CALL	NEW CALL
JOHN H. FRANCIS	--	WA6IWR
JOE LEE	WN6DOB	WB6DOB
NED LEWIS	WN6LIM	WB6LIM
VINCE LOVEJOY	--	WB6SVJ
CAREY MARBLE	WN6LZJ	WB6LZJ
JOHN POLESE	--	WA6QIE
BERT SALISBURY	--	WB6DWV
IVAN STURMAN	--	WB6PIV

Please welcome as a new member:

Jacob L. Adams WB6RPF  
1153 13th St. Space 72  
San Pablo, CA  
237-5105

If you have a new call, you may send it in for inclusion in the next issue. Please print clearly and include both old and new call. Send to 179 Kendall, Walnut Creek, 94595 or call 935-5640

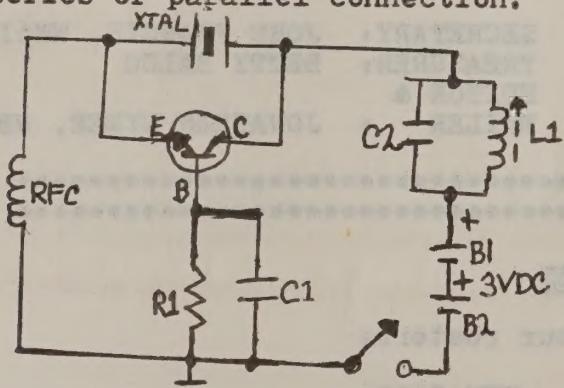
## A STANDARD 100KHz ALIGNMENT OSCILLATOR

Unless you are an heir to Howard Hughes' estate or won a contest in an Amateur Radio magazine, the shortwave receiver you have probably doesn't have really accurate dial calibration. You can, however, solve this problem to some extent with a 100KHz frequency standard. With such a standard, you will know exactly where your receiver is tuned.

The oscillator described here will produce a frequency of 100KHz, which, when placed near a shortwave radio, can be heard through the receiver when it is correctly tuned, thereby allowing you to calibrate the receiver with great accuracy.

The wiring and layout of the circuit is not critical, and just about any method will work. Keep in mind, however, that the circuit should radiate enough of a signal through the air if assembled in a plastic cabinet, so that direct hook-up to the receiver will not be necessary. If the circuit is installed in a metal cabinet, a short antenna, approximately 12 inches long, should be connected to the collector of Q1 through a 50-pF capacitor. It may be necessary to connect the other end of the antenna to the antenna terminal of the receiver.

If, after assembly, the oscillator doesn't start, change the value of C2 by about 20% until consistent oscillator operation is achieved. If you wish to zero beat the crystal against station WWV, then install a 50-pF capacitor in series or parallel with the crystal. Use the connection that works, since the specific crystal determines series or parallel connection.



PARTS LIST

- B1, B2-1.5-V AAA battery
- C1- 0.01-uF, 10-VDC capacitor
- C2-220-pF silver mica capacitor  
(Calectro A1-008 or equivalent)
- L1-Coil, 2-18 mH
- Q1-HEP-641 npn transistor  
(Calectro K4-051 or equivalent)
- R1-750,000-ohm,  $\frac{1}{2}$ -watt resistor
- RFC-2.5 mH RF choke
- S1-Spst switch
- XTAL-100-KHz crystal

(From 1975 edition of 101 Electronic Projects: Davis Publications)

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## IN MEMORIAM:

It is with the deepest of regrets to announce that JOSEPH W. LOWRY, W6QZ, died recently. Mr. Lowry was a member of the East Bay Radio Club for a little over one year; however, he has been an amateur radio operator for over fifty years. Originally licensed as operator W5QZ, his call was changed to W6QZ when he moved to California about 50 years ago. A very nice man, we will miss his presence both as a man and as an amateur radio operator.

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**MEETING MINUTES:**

The December 10, 1976 regular meeting of the East Bay Radio Club was called to order at 2008 by President Lyman Wiltshire. All officers were present. New member Jacob Adams, WB6RPE, was introduced and welcomed. The Treasurer's report was read and accepted by the membership for the month of November. November meeting minutes as reported in the Blown Fuse were accepted. New officers were installed and Steve Dodge began his official term as President. Steve thanked those who participated and supported the recently concluded General and Novice classes and spoke on the need for amateur radio to grow if we are to protect our frequencies from pre-emption by commercial and other interests, not only in the U.S.A., but throughout the world. He stressed the desireability of contacting CB'ers as good prospects for entering ham radio. Meanwhile, Santa Claus, craftily disguised as Lyman Wiltshire, and his elves were distributing presents to all in attendance. After all, it was our annual Christmas party, and our meeting was enhanced by the presence of many wives and/or sweethearts. Refreshments were plentiful and delicious and the efforts of the thoughtful and generous "party crew" were appreciated and enjoyed by all.

---J.H. Francis, WA6IWR, Secretary

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**EAST BAY RADIO CLUB  
DECEMBER 1976**

**FORWARD**

Cash	\$ 43.16		
Savings	133.45		
Checking	285.20	Forward	\$445.13

**RECEIPTS**

Dues	\$ 19.30		
Donation	.63		
Rebate (Club News)	2.37		
Interest on Savings	1.76		
	\$ 24.06		

**DISBURSED**

Xmas Party (Check #164)	\$ 12.95		
Advance on "Blown Fuse"	24.00		
	\$ 36.95		

**NET LOSS**

Cash	\$ 0.00		
Savings	135.21		
Checking	297.03	Closing Balance	\$432.24

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A special recording presentation by a Navy captain on the subject of extremely low frequency communications with submerged submarines and antenna systems required to achieve such communications will highlight the next meeting. It sounds very interesting. Also, announcement on formation of new committies for 1977 will be discussed. Most important subject on which we need expression from club members is on proposals in active consideration of Amateur frequencies in prep. for WARC conference that will be coming soon. This is very important.

POSTAL PATTERNS

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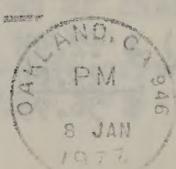
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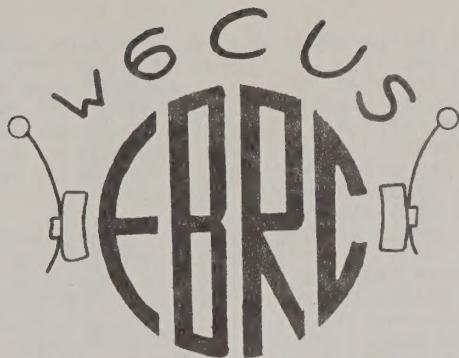


USE  
YOUR ZIP  
CODE

JONATHAN HYMER WB6FJC  
179 KENDALL ROAD  
WALNUT CREEK, CA 94595



Feb 77



# THE BLOWN FUSE

EAST BAY RADIO CLUB P.O.BOX 782, EL CERRITO, CA. 94530 MEMBER: ARNS &

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OFFICERS:

Pres.	Steve Dodge	K6ZR	233-5833
VP (1)	Chris Baldo	WB6OGE	653-1650
VP (2)	Dave Bacon	WA6TPJ	233-9568
VP (3)	Jim Gale	WA6FDX	525-3692
Sec'y	John Francis	WB6IWR	233-7704
Treas.	Edith Baldo		653-1650

EDITOR JONATHAN HYMER WB6FJC 935-5640

COMMITTEE CHAIRMEN

Fin. Legal, & Housing	Steve Dodge (above)
Membership (Treas.)	Edith Baldo "
Publicity & P.R. VP(1)	Dave Bacon "
Field Day VP(3)	Jim Gale "
Programs VP(2)	Chris Baldo "
Education (Pres.)	Steve Dodge "
Hospitality	Anna Nicholson
Radio Operations	Dick Grey (Temp.)
C.C.R.C. Reps.	Sid Lagorio WA6JGZ 526-8604
and	Les Bodin W6JKY 632-3707

February 11  
FEBRUARY MEETING AT CASA CERRITO

SPEAKER: BOB BOWMAN of Standard Oil Telecommunications department.

Bob Bowman has had an active part in the design, installation and operation of specialized pipeline leak detection equipment. There will be slides to go along with the talk. We think you will find this an exceptionally interesting talk.

DISCUSSION: Proposed new meeting place for EBRC. Come, get the info, and put in your two-bits' worth. This is an important subject and the outcome will affect the clubs activities in many ways, not just meetings, but CLASSES, CLUB ON-THE-AIR, possibly future FIELD DAYS, etc.

TIME: Doors open 7:30

Door Prize tickets close at 8:00 P.M.  
Raffle? Of course! Refreshments.

SEE YOU THERE!

PROGRAM CALENDAR -

FEB. 11	Talk & slides by BOB BOWMAN of Standard Oil Telecommunications Dept.
Mar. 11	TVI: ITS CAUSES & CURES.
Apr. 8	EBRC Spring Auction Short Special Topic, TBA, (To Be Announced)
May 13	ARRL District Director 'Doc' Gmelin, and SCM Chuck Breeding
Jun 10	Field Day Preparation
July 8	Reg Pierce- S.O. Comm. Dept. Oil Spill Communications.
Aug. 12	Safety in the Ham-Shack, or Possible Field Trip - Repeater Station.
Sep. 9	Show & Tell Session. Show off that prize home-brew project. Share your joys and tears.
Oct. 14	Fall Auction. Short special
Nov. 11	Nominations, Election of Officers. Short Special program.
Dec. 9	Christmas Party. Awards. Inauguration.

## PRESIDENT'S COMMENT

With the New Year, your club's newly inaugurated staff feels a keen responsibility to you, the membership, to conduct the affairs of the club in such a manner as to advance its growth and benefits to all members. To truly grow we must enlarge in several directions more or less simultaneously. More members is an objective but not the only objective. With more members our financial position will improve permitting us to up-grade our bulletin, so it will carry more substantive news for all members.

With more members and better finances we can do a better job of community service with emergency and other public convenience communications such as for parades and other public events. This is fun for the participants, and great communications training, but also helps discharge one of the responsibilities assigned to, and one of the acknowledged reasons for the existence of amateur radio--the providing of specialty communications in the public interest not otherwise available. Amateur radio has built an outstanding record in providing communications during innumerable natural or man-made disasters, both of large and small scale, and, of course, it has supplied personal third party communications such as for overseas military personnel and other foreign and domestic hardship situations which no other service could have supplied.

This fine record of public service mindedness is one of the prime reasons that we have retained the use of frequencies in the face of tremendous commercial expansion. This is why we be ever-mindful of our role and seek ways to maintain and improve the good record. This is particularly important as the World Radio Conference planning takes shape.

It is the intent of your present official family to stimulate club activity and growth by several means. New classes for novices and higher grades are about to begin and will be announced soon. Particular effort will be made to recruit new amateurs from the ranks of CB hobbyists, and also among private boaters in view of the change-over in marine ship-to-ship, ship-shore frequencies, which is mailing hundreds, or even thousands of now-illegal sets available for easy adaption to use on some of the amateur bands. Specific interest has been shown by some yachting groups, for example, so that your club is about to run a class at yacht club facilities specifically to help boaters to swing into the amateur radio game. The first class will commence in mid-February.

One of the things we must accomplish quickly is to build an inventory of our capabilities to help with emergency communications. With this issue of the BLOWN BUG you will receive a card form for easy, check-off word to us as to your capabilities as to bands on which you can function, types of equipment, emergency powered equipment especially, and your availability and willingness to participate in some coordinating drills.

Please fill these in and bring them to the February meeting, or if unable to attend, mail them promptly to the club's box, No. 700, El Cerrito, Ca. Zip 94530. We need to be able to advise police and fire officials who they may reasonably contact in time of special need.

To bring into being the excellent suggestions from various members your present expanded staff--now having three vicepresidents--several special committees have been formed. The members comprising these committees are separately listed in this bulletin and will be regularly shown so that all members will know who to contact with respect to the duties of the respective committees.

A need for more suitable club meeting space has been felt for some time, and your board of directors has proposed that we try a new location at the Kensington Youth Hut for our March meeting as a trial. Full particulars and directions to get there will be reviewed in detail at the February meeting at Casa Cerrito, where we have been meeting the last few years.

Your Program Committee has been very active with the result that a Calendar has been set for the coming year and appears elsewhere in this issue of the BLOWN BUG. This advance planning will permit our publicity committee to do a more effective job, and thereby should contribute to larger meeting attendance.

Our energetic Editor is being given some extra help in the preparation of the bulletin, but he needs your individual help. Here's how. Personal, newsy items are always interesting reading, but it's a real job to round them up. Each of you know of some newsy tid-bit from time to time, so please communicate directly with the editor and give him a boost. If you can't reach him, phone me, or any other officer.

Give your official staff and committees all the help you can and help make this year one of real progress and growth for your club. You'll be glad you did.

73, Steve Dodge K6ZR

## EBRC BOARD OF DIRECTORS VIEWS POSSIBLE NEW H.Q.

With rental fee an up-coming prospect, your board is considering a change of meeting place. Not primarily for money saving -- looks like we're going to have to pay anyway -- but other things may be better than EQUAL. Convenience, locker space, room for class and station gear, parking, these and other factors all being looked at closely by the HOUSING COMMITTEE. Get the up-date at the February meeting, with possible announcement of new meeting place--possibly trial basis--for March meeting.

## ONE-WEEK EXTENSION ON DOCKET 20271 FILING.

There is still time to get letters off to FCC re: this docket which is probably the most important docket concerning amateur radio to be considered in years. It has to do with the preparation for the WARC '79 conference and therefore frequencies to be sought for amateur radio at that most important conference. Even letters which may reach FCC slightly beyond deadline will likely be considered. The East Bay Radio Club has sent a letter supporting the position of ARRL, but individual members are urged to submit letters also as BROAD support, as shown by letters actually received by FCC is what it takes to impress conference members. We urge you to read the editorial in Nov. '76 QST, then write your own letter, whether you agree with all positions of ARRL or not. We need not rubber stamp their position.

HR Report extract.

## AMATEUR FREQUENCY ASSIGNMENT CHART AVAILABLE

An up-to-date chart of all current amateur band frequencies is available as a free hand-out to club members. If you have not received yours ask for it at next club meeting. This chart was copied from QST by Sid Lagorio, WA6JGZ, to whom the club's thanks for this nice service.

The meeting was called to order by President Dodge at 2007. All officers were present except V.P. Jim Gale, who was celebrating XYL Ilene's birthday. Happy 39th, Ilene! Guests were introduced and included Dave Bacon's Dad, Bernie, Norm Buell W6SJH, Mr. Church W6STC, Barry Jennings from Pinole, Mr. Weber WB6OST, from our local college, and Charlie Henry W6BJA spying for the Richmond Radio Club. Minutes for the December meeting were approved and accepted as printed in the Blown Fuse. The Treasurer's report for December approved and accepted as printed in the Blown Fuse. The standing committee were announced by President Dodge. Club members were encouraged to participate on committees of special interest to them by contacting the committee chairman. Sid Lagorio discussed considerations involved in selection of our club's meeting location.

The President announced the forthcoming auction of the South Peninsula ARC, to be held Feb. 26, starting at 10 a.m. It will be at the Philco/Ford plant, 3825 Fabian Way in Palo Alto. Our club auctions are tentatively scheduled for April 8th and October 14th. These dates will be confirmed soon. Future EBRC meeting programs were discussed and possible field trips were enumerated: CG radar station, commercial radio/TV station, BART electronics, FAA, etc. The KFPA repeater site was highly endorsed. Field trips may be held on a week-end day, but is presently tentatively set for September 9th. A suggestion was submitted to include in our meetings the regular discussion of equipment and equipment sources by our members as a sort of consumer protection forum and information exchange. This could be particularly helpful to the new ham not yet thoroughly aware of possible pitfalls in acquiring electronic gear. It was also announced that FCC has temporarily (?) suspended all licensing fees and that now is the time to take your next exam, frequently and repeatedly, if necessary, suggested the club might want to buy QSL cards with club ID on them and space for our "on time" door prize was won by our new General, WB6LJM, Ned Lewis. Congratulations twice, Ned. FCC Docket 20271, WARC 79 letter from ARRL was read by Steve Dodge. This is an issue vital to future Ham radio operators regarding frequency allocation. Ivan Sturman moved and Carl Clark seconded the successful motion that our executive committee draft a letter to FCC endorsing the ARRL position on this issue.

Drawing for prizes was held at 2130 with winners being Debra Divor, WA6HWG, a new member, Ivan Sturman WB6PIV, Bernie Bacon, and John Polese WA6QIN. Life's just for fun, anyway!

The passing of Joe Lowry, W6QZ was noted. A ham for over 50 years, his friends will miss him. Refreshment break from 2139 to 2155 at which time we resumed with the program for the evening. It was Don Dunn's tape recording covering Project Seafarer. This is the Navy's submarine submerged radio transmission involving unusual antenna configuration for ELF (extremely low frequency), about 76 Hertz, transmitting. The proposed antenna is a network buried six feet underground and covering an area between three and four thousand square miles. (Dig that you apartment dwellers!) Very interesting. The program ended at 2227 and the meeting adjourned at 2228.

--John H. Francis, WA6INR, Secretary

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#### TREASURER'S REPORT.

A full Treasurer's Report will no longer be included in the Blown Fuse. Instead, only the opening balance, total disbursements, total receipts, and closing balance will be included. A full report will always be open for inspection at every club meeting.

Opening Balance	\$432.24
Total Receipts	245.69
Total Disbursements	188.48
Closing Balance	489.45

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Do you like the new format? This new system of laying out the Blown Fuse will allow more information to be inserted in each page. The original is photographically reduced before it is printed. Tell me how you like it at the next meeting. It can only work, however, if I get enough contributions like the one below from George Clark, WA6CLF. Thanks, George!

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#### THE GENERAL CLASS EXAM

I wasn't nervous. I filled out form in hall. I stood behind eight or ten people. I got to desk. I said, "I am General class exam, I would like to take a George Clark." She reached in desk and handed me the key to Federal Civil Service rest room. You can miss 13 answers and pass written. You must copy & send 13 WPM. Examiner takes in 13 candidates at a time. So watch out if it's Friday the 13th! If you did your class word for Steve and have learned a little from Novice work, the exam is a piece of shortcake! For an old latecomer, the school-desk after 40+ years was just same--but no ink-well. Seat was a bit narrow in fanny and belly dept.

EWS NOTES:

The following notes were obtained from the February, 1977 issue of the CCRC Circle.

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In a public notice released January 10, FCC announced the implementation of an instant upgrading program. Effective March 1st, engineers in charge of FCC Field Offices will be delegated authority to issue interim amateur permits to applicants for amateur operator licenses who successfully complete the examination and who already hold an amateur license. This interim permit will be good for 90 days or until the new license is issued, whichever comes sooner. The interim permit will indicate a special ID which must be appended to the amateur station call whenever the operator utilizes his newly earned privileges. Further details will be carried over W1AW and in QST when available.

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MORE ABOUT SUSPENSION OF FEES

(The following information has been furnished by Phil Kane of the FCC San Francisco Field Office.)

In 1954 Congress passed an Independent Offices Appropriation Act which, for the first time, made it possible for various Government agencies to charge fees for licenses and similar services. The FCC for various reasons did not establish a fee schedule until 1964. The intent of this schedule was to recoup 110% of the annual appropriation for FCC operation. The fees were not retained by the agency, but went back into the Government's general fund. In 1968 there was a substantial fee increase, and another in 1972.

In 1972, a suit was brought by cable interests, and the basis for assessing the fees was proved

In 1975, broadcast interests brought suit, saying that they should get refunds for fees they paid already. The court denied this, saying they had not been a party to the suit. The broadcasters appealed. Very recently the appeals court ruled that the basis for assessing fees was still inequitable because it did not include both the cost to the Government and the value to the recipient. This conflicts with the 1972 ruling. Possibly as a consequence, the FCC has suspended, though not canceled fees for all classes of licenses.

One may speculate that the reason for the suspension is that, with the courts disagreeing, the FCC wants a clarification before it resumes assessing fees. Meanwhile, it is anyone's guess as to when fees will be reinstated or what they will be. Get your Extra Class applications in while the getting is good!

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Starting soon, (it was going to be this month, but I'm running out of room), a regular feature of the Blown Fuse will be to discuss equipment and about how it works. Although the intent of the column is to give newcomers an idea of the equipment that is best for them, no criticisms of equipment will be offered because the extensive testing facilities required to make criticisms are not available. For this column to work, we need contributions from members. Please tell me about the equipment you have, its price, its features, etc. Anything you might be able to provide will be greatly appreciated.

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TO THE BEST OF THE EDITOR'S KNOWLEDGE, ALL INFORMATION PRINTED HEREIN IS ACCURATE AS OF THE DATE THIS SENT TO THE PRINTER.

JONATHAN HYMER WB6FJC

179 KENDALL ROAD

WALNUT CREEK, CA 94595



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Radio Operations	Dick Gray (Temp.)
C.C.R.C. Reps.	Sid Lagorio WA6JGZ 526-8604
and	Les Bodin W6JKY 632-3707

EAST BAY RADIO CLUB  
Meeting of March 11

NOTE: THIS MONTH'S MEETING WILL BE AT A DIFFERENT LOCATION. INSTRUCTIONS FOR FINDING THE NEW LOCATION ARE PRINTED ELSEWHERE IN THIS ISSUE.

SPEAKER:

The speaker for this month's meeting is JOHN ORR of the Pacific Gas and Electric Company

JOHN ORR is an engineer with the Pacific Gas and Electric Company and has specialized in working with problems of interference to radio and television sets. This is a problem that concerns each and every amateur radio operator, so come and listen to an expert talk on this vitally important subject. We think you will find it very interesting.

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TIME: The doors open at 7:30 p.m.

SEE YOU THERE!

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Sep. 9	Show & Tell Session. Show off that prize home-brew project. Share your joys and tears.
Oct. 14	Fall Auction. Short special
Nov. 11	Nominations, Election of Officers. Short Special program.
Dec. 9	Christmas Party. Awards. Inauguration.

## YOUR HELP IS NEEDED:

It is an established fact that many of today's new ham radio operators are coming from the world of C.B., so to try and make C.B.ers aware of ham radio and the East Bay Radio Club, the Club will be setting up an information and demonstration booth at a C.B. Jamboree. This booth, which sells for \$35, was donated to our club. It costs us NOTHING!

This Jamboree is being put on by a local C.B. club, and will be held at the Contra Costa County Fairgrounds in Antioch. It runs from July 1 to July 3, 1977. What we need are people to man this booth and some equipment, too. Anyone who wishes to help by donating some time, or by lending equipment, please call Dave Bacon at 233-9568.

Let's show the C.B.ers what ham radio is all about. Your participation would be greatly appreciated.

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## DISTRIBUTED CAPACITY COAXIAL DIPOLE ANTENNA

This is the first of a two part article on a unique antenna. The first part presented here will discuss the antenna characteristics, and the next part will discuss the construction of the antenna. This article is reprinted by permission of WA9PIV

This dipole antenna takes on some very interesting characteristics unlike its predecessor, the "simple dipole". Unlike the simple dipole, this antenna is very broad banded. Normally, the bandwidth of this coaxial dipole is around 500KHz wide with average installation considerations and an SWR under 2:1. The higher SWR occurring, of course, at band edges. The SWR will be absolutely flat when the antenna is of the proper length at design frequency.

By proper choice of design frequency, one may have an SWR on one band edge equal to that of the opposite band edge. If this is your preference, you will want to establish a design frequency somewhere in the top half of the band. As an example, for the 75-80 meter band the design frequency should be about 3.920MHz. At the 4MHz end of the band the SWR will be about 1.5:1 with the SWR at 3.5 MHz at about 1.5:1. This is all without the aid of a "match box". However, antenna parameters may vary slightly from one antenna location to another.

There are at least several reasons why this antenna is so broad. One reason being because this dipole is matched to the feed line. Another reason being that it electrically incorporates its own balun. Also, this dipole has a large circular-mil area over its entire surface, thus a low Q.

Over a five year period of testing, K7UAE reports an arithmetic mean average of 1.5dB gain over a simple dipole cut to the same frequency and installed at the same height and configuration. From the author's findings, this gain figure could be a conservative representation. Also, he reports a -6dB noise figure due to static charge build-up common to the open wire construction of the simple dipole. Since this coaxial dipole is completely covered by a vinyl jacket, it greatly reduces static charge build-up which discharges causing a popping noise in the receiver. The vinyl jacket covering is usually found on most well designed mobile antennas.

This antenna also greatly reduces harmonics of the operating frequency. Any signal fed to the antenna which is harmonically related to the antenna's operating range is reduced by a considerable amount as compared to a simple dipole. This feature, as well as other features of this antenna, amount to a substantial savings in cost for

the extras such as an antenna "match box", low pass filter, balun, etc.

In summary, the advantages of this antenna are: 1) broad bandwidth; 2) almost unaffected by environment; 3) positive gain with reference to a common dipole operating under the same relative conditions; 4) greatly attenuates harmonics; 5) substantial decrease in static charge build-up; 6) essentially non-directional.

(Part 2, the construction details for this antenna, will be presented next month.)

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## MT. DIABLO CLUB AUCTION:

The Mt. Diablo Amateur Radio Club will hold its annual auction at its March Meeting. The auction will start at 7:00 p.m. at its regular meeting place, the Grace Presbyterian Church, 2100 Tice Valley Blvd., Walnut Creek, on Friday, March 18, 1977. Sellers are requested to come one hour early--at 6:00--so that the items can be registered.

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## NOTES FROM FEBRUARY, 1977, ISSUE OF QST LEAGUE LINES

Even though notifying the FCC of extended portable operation is no longer required, all amateurs should have a current, valid mailing address of file with the Commission. All licensees are responsible for FCC mail sent to the address of record. Failure to answer official mail from the FCC could result in fines or revocation of the amateur's license.

If all goes according to plan, AMSAT-OSCAR D, the eighth amateur satellite, will be launched alongside NASA's Landsat-3 earth resources satellite on Oct. 15, 1977. The new OSCAR will contain a 2- to 10-meter transponder similar to those in the two amateur satellites presently operational, and a 2-meter to 70-cm transponder designed and built by JAMSAT, the Japanese Radio Amateur Satellite Corporation. A-O-D is expected to have extensive educational and experimental applications.

Arrested, indicted and fined: Gale Bodner of Anchorage, AK pleaded guilty to unlicensed CB operation in Federal Court, December 2, 1976 after investigations by FCC engineers over a two year period. Bodner was fined \$1000, ordered to not operate a CB set for two years and to sell his equipment within two weeks of it being returned to him or forfeit it to the U.S. Government.

## EBRG-AUCTION APRIL 18

Look over your stock now and set aside some goodies! We plan to advertise this auction widely and have a super auction in our larger quarters.

## SECONDARY AMATEUR STATION LICENSES

May have to be abolished as the large number of applications stimulated by the 'No Fee' situation is threatening to 'sink the ship' at Gettysburg, along with the large number of 1x2 call applications and cause excessive delay in issuing regular licenses.

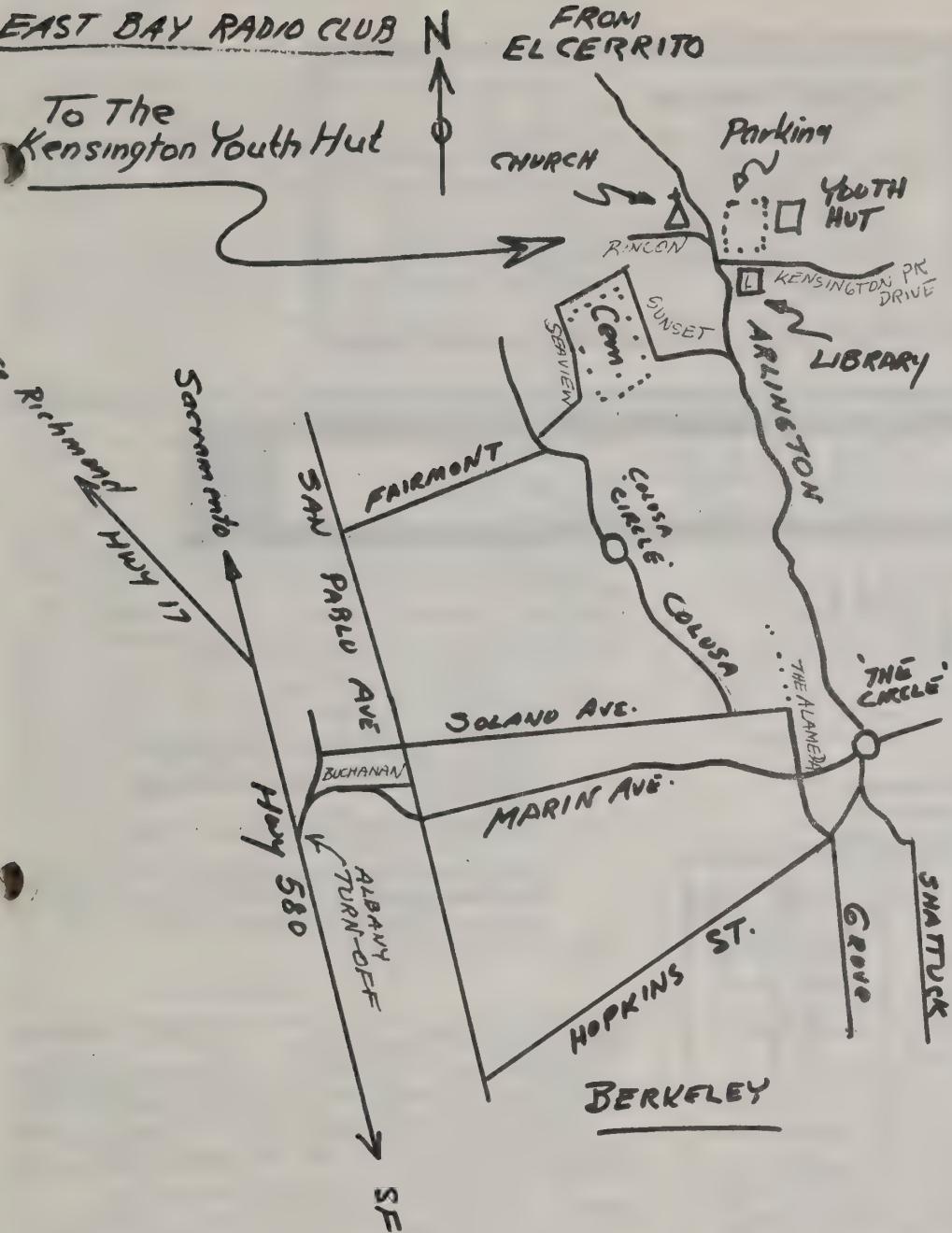
## RE-BROADCAST PETITION FILED WITH FCC BY N.A.B.

National broadcasters want to rebroadcast AM and CB emergency communications thus improving service to listeners on road and weather conditions.

# EAST BAY RADIO CLUB

FROM  
EL CERRITO

To The  
Kensington Youth Hut



## FCC PROPOSAL - TYPE ACCEPTANCE PROGRAM FOR COMMERCIALLY MFR'D HAM EQUIPMENT - POSSIBLE BANNING OF 10 METER LINEARS.

A Notice of Proposed Rule Making would completely ban commercially built linear amplifiers operating in the 24-36 MHz range. This would be part of the FCC's drive to get illegal linear off the CB band. The proposal is in the early editorial stage. It is proposed that amateurs will still be permitted to build and operate HOME BREW linear in this and other bands. General application of FCC TYPE ACCEPTANCE of commercially built gear is under study. (H.R. Report.)

## LICENSE APPLICATIONS HIT RECORD

January hit an all-time record for ham license applications, 18,300, well above previous high of 16,414 set in August '76. This is double the monthly average of 12,600, which in turn was a big increase over '75 average of 9,700, and '74 average, 8,300. This is a substantial increase but less than the predicted 30,000.

A disturbing part of the increase is for applications for quantities of licenses, due to the no-fee situation. The result is a slow-down in processing the normal new license applications. New 1x2 calls have been running 200 per week. (H.R. Report.)

## ARRL OPERATING EVENTS - '77

Mar. 1	- West Coast qual. run.
4-6	DX phone competition.
16	WLAQ qual. run.
18-20	DX CW competition.
21	WLAQ morning qual. run.
Apr. 6	West Coast qual. run.
14	WLAQ qual. run.
16-17	CD party - CW.
23-24	CD party - phone.
24	WLAQ special qual. run.
May. 3	West Coast qual. run.
26	WLAQ qual. run.
Jun. 1	West Coast qual. run.
3-5	NAT'L CONVENTION - Toronto.
11-12	VHF QSO party.
14	WLAQ qual. run. 40 plus WPM.
19-25	Radio Amateur WEEK.
22	WLAQ morning qual. run.
25-26	FIELD DAY *****
Jul. 4	SKN (June)
5	West Coast qual. run.
9-10	IARY Radiosport championship
13	WLAQ qual. run.
Aug. 3	West Coast qual. run.
18	WLAQ qual. run.
Sep. 6	West Coast qual. run.
10-11	VHF QSO part. (Aug.).
12	WLAQ qual. run.
20	WLAQ morning qual. run.
Oct. 1-2	'Open' CD party CW (Sep.)
5	West Coast qual. run.
15-26	'Open' CD party, PHONE (Sep.).
18	WLAQ qual. run.
23	WLAQ special qual. run.
Nov. 1	West Coast qual. run.
5-6	Sweepstakes, CW (Oct.).
16	WLAQ qual. run.
19-20	Sweepstakes, PHONE, (Oct.).
Dec. 3-4	160 Meter Contest (Nov.).
7	West Coast qual. run.
10-11	10 Meter Contest (Nov.).
15	WLAQ qual. run. (40 WPM).
28	WLAQ morning qual. run.
31	SKN (Dec.).

## RTTY DX AWARD ESTABLISHED

The British Amateur Teleprinter Group has created a "Quarter Century Award" based on submission of 25 QSL cards of other approved documentation.

## TVI FINES PROPOSED (TEXAS) AGAINST HAMS AND CBERS.

A Texas STATE BILL was thwarted by aggressive intervention by Amateurs organized and lead by W5UTT, as they contacted the bill's sponsor, Rep. S. W. Hudson III, and the bill was let die in committee. Shows the importance of early action, and getting to the source. A fine of \$100 plus costs was proposed. A follow-up bill requiring proper filtering in TV and HI-FI gear was substituted. In Quebec CANADA a CBer was sued and fined for causing TVI and RFI. Sets an unhappy precedent. (H.R.R.)

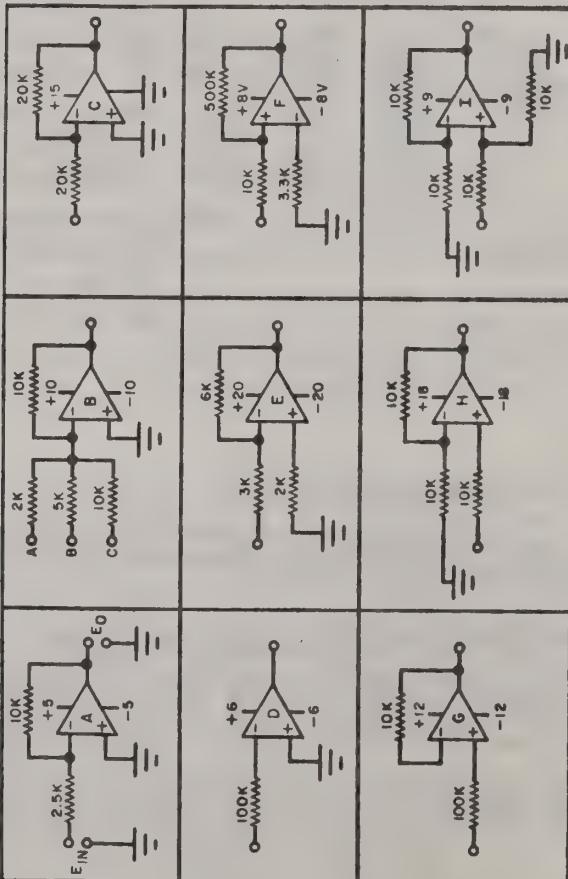
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IN MEMORIAM - MINNIE HUDON  
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It is with deep regret that we announce the passing of Minnie Hudon, XYL of Jim Hudon, WB6NTH, on Feb. 26. Minnie was one of those charming, helpful, cheerful persons and her contribution to club activity was considerable and done in many ways, helping with Christmas Party, helping with refreshments, and with Field Day chow. She will be missed by the many club members who knew her. We extend the club's sympathy to Jim and his family.

## OPERATIONAL AMPLIFIER QUIZ

BY WILLIAM E. PARKER

Assume each of these circuits is an ideal op amp and each input is +1.0 volt dc. Determine the output voltages.



Below is a copy of the survey card that you were supposed to get last month. In this issue of the Blown Fuse, a card has been enclosed. PLEASE fill it out and bring it to the meeting with you. If you can't make it to the meeting then please mail it to the club P.O.Box number.

**FAST BAY RADIO CLUB SURVEY**

Name \_\_\_\_\_ Call \_\_\_\_\_  
Class of license \_\_\_\_\_ Phone # \_\_\_\_\_  
Band Capabilities:  
 80  40  20  15  10  6  2  Other \_\_\_\_\_  
Type of equipment:  
 Base  Mobile  Portable \_\_\_\_\_  
Type of Transmitter(s) & Receiver(s): \_\_\_\_\_  
Type of antenna(s):  Dipole  Beam  Vertical  Other \_\_\_\_\_  
Portable power capabilities:  
Would you be interested in participating in an emergency drill?  YES  NO \_\_\_\_\_  
Date \_\_\_\_\_

ANNA NICHOLSON, EX-WN6DDR, RETIRES

We are pleased to announce our congratulations to Anna Nicholson on her retirement. She has already proven that one only gets busier After retirement than before.

Anna is one of the few female members of the East Bay Radio Club. Besides ham radio, her other hobbies include knitting and crocheting.

Anna keeps busy by being a Regent of the Catholic Daughters, a member of the Intergroup Movement of Catholic Religions, visiting senior citizens, and singing in a choir.

Anna is an ex-WAV, and on Jan. 31 she retired from the Office of Education; Administrative Management after putting in 29 years of faithful service.

Now, Anna is waiting for her Novice written exam to arrive.

You can see Anna at nearly every meeting selling tickets for the club. Thanks, Anna!

We hope you get your former Novice call as you requested. Of course you'll miss your name initial "N", but we hope that you get the rest of your call.

We'll be looking for you on the air real soon. 73 & 88 !

We are saddened to report the passing of Mr. Al Bernes, W6HCE, who died suddenly on Feb. 25. Bernes had just been elected President of SIRARC ( Sons In Retirement Amateur Radio Club) just a week ago.

The Amateur community will greatly miss Al as he was very active in radio affairs.

## MEETING MINUTES:

President Steve Dodge called the meeting to order at 2011. All officers were present. Minutes of previous meeting and Treasurer's report were approved as printed in the Blown Fuse. Guests introduced included Pat Griffin WA6SCW, Bill Holton W86TTI, Harry Conlan, Bernie Bacon WB6UYJ, and Jack Joyce.

A resolution to raise our dues from \$7 to \$8 per annum for those age 18 and over; \$4 for those under 18, and to make our fiscal year coincide with the calendar year, dues to be pro-rated quarterly was passed with one dissenting vote.

President Dodge made available a copy of the letter he had written to the FCC relevant to FCC Docket 20271--WARC79. Blown Fuse editor, Jonathan Hymer, reviewed the new format of our club paper and it received hearty endorsement from the members present.

The On Time door prize was won by Anna Nicholson. It was noted that our club gets \$1 out of each QST subscription processed through the club. Also, that ARRL accreditation requires 51% or more of our membership to be QST subscribers (and ARRL members).

Question was raised as to whether we intend to have a code practice net. Noted that W6QIE is now also on 2 meters at 146.58 MHz, same schedule, same time as 3590 KHz. Broke for refreshments at 2044. The program was a most fascinating presentation by Bob Bowman of Standard Oil, Telecommunications Department covering pipeline operation, control and leak detection. Color slides and diagrams added to a most interesting program. Thank you, Bob!

At 2220 the drawings were held and the lucky people were Barry Jennings, Vince Lovejoy, Dick Tracy (Dick was a double winner, but graciously declined the 2nd prize) Harry Conlin and Yoshi Nakamura. Meeting adjourned at 2225.

--John H. Francis, WA6IWR

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## TREASURER'S REPORT:

	<u>CURRENT PERIOD</u>	<u>YEAR TO DATE</u>
BEGINNING BALANCE	\$489.45	\$432.24
TOTAL RECEIPTS	59.45	305.14
TOTAL DISBURSEMENTS	51.62	240.10
ENDING BALANCE	\$497.28	\$497.28
MEMO--GAIN FOR PERIOD	\$ 7.83	\$ 65.04

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## PRESIDENT'S MESSAGE:

Your Board of Directors, acting on the vote of the general membership at the last meeting, has concluded arrangements for the meeting place at the Kensington Youth Hut. The meeting location was inspected by the Board in the evening so we would have a good idea as to lighting, heating, parking--under night conditions--before deciding.

We were impressed by the suitability of the facility for our use. The seating space is larger, we have at least a hundred chairs on hand. There is a ready-hung projection screen. The lighting is good, parking good. Locker space will be better than we have had, and kitchen facilities are indeed superior to what we have had.

There are small rooms suitable for split activities, and we have already arranged for one for the next board meeting, and can probably use one of these rooms on a night other than the regular night.

Because of the superior standing of the East Bay Radio Club and what we can offer the community, the regular rental fee was waived, but we have a small cleaning fee deposit paid in. All hands will give an assist to set up chairs, stow them after use. They have a janitorial service so we do not have to sweep and mop, but we should not leave them with normal pick-up.

As soon as a special locker can be arranged, we plan to have some club equipment on hand, a ministration, that can serve for some emergency communications, and for demo and class use.

This move has been made in the belief that the type of programs we have scheduled will bring out the gang, and that our classes, and recruiting efforts will increase our average attendance.

The Novice Class is entering its fourth week, and it is being held at Richmond Yacht Club (Brickyard Cove) Tuesday evenings, and it is well attended by an enthusiastic group of 25, mostly members of the club. We look for this to add to our club rolls eventually, and to get some of the boaters on-the-air from their boats on 160 M and 80 M, and possibly 40 M, with their converted marine transceivers.

An article about to appear in the Bay and Delta Yachtsman magazine invites other yacht clubs to contact us if they are interested in holding novice classes--preferably on their club premises. All in all, these activities should help make this a banner year for club activities.

--Steve Dodge, K6ZR, President

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## NEW CLUB QUARTERS AND HOW TO GET THERE

The March 11 and following meetings for '77 will be held at the Kensington Youth Hut on Kensington Park Drive--just around the corner off Arlington Blvd.

The corner is easy to spot as the Kensington Library is at the corner and is well illuminated. In addition to the map, these notes may help.

Arlington Ave. starts in North Berkeley at THE CIRCLE of Marin, Hopkins, Sutter (Shattuck extension) and other minor streets.

From THE CIRCLE, head north on Arlington, pass the business section, proceed along the divided boulevard and at the end of the divider go ONE more block to Kensington Park Drive, turn right about 50 feet, then turn left into the parking lot.

As you approach the corner you will see the large church straight ahead, but you turn just before reaching the church.

Coming south on Arlington from El Cerrito, look for the church on the right--pass it and turn left at the corner.

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## NETS & BROADCASTS

CODE PRACTICE--Nightly except Monday. W6QIE 3590KHz & 146.58MHz 8p.m.--starts at 5:30p.m.

BULLETINS--1st & 3rd Tuesday--W6ZJR (3590--CW--7p.m.)--(3810--SSB--7:30p.m.) (3615--RTTY--8:00)

BULLETINS--1st & 3rd Monday--W6ZJR SIRAC NET--Fri.(9a.m.--3770--CW)--(10a.m.--3925--SSB)

#### CB LINEARS ADD TO TVI and ADJACENT CHANNEL SPLATTER

The FCC is concerned and trying to find an answer to the proliferation of these 50 to 300 watt "footwarmers", but still they outnumbered legitimate ham gear at Consumer Electronics Show in Chicago. But PC-'77, (LAS VEGAS, FEB. 15-17) has barred the showing of these linears, or any other illegal gear. KUDOS to them!

CLASS E CB (900MHz) consideration is very much alive at FCC. Ray Spence (FCC Chief Engineer) reported seeing a demonstration of a 900MHz "CB" in Washington that performed comparably to 27MHz with an estimated price only 30% higher than conventional CB gear, so maybe the "breakthrough" on price is here. (HR report quote). Hams better steam up on getting 900MHz assignment (Have you written FCC?) and also start experimenting--or are we going to leave it all to the "store-bought" gear manufacturers?

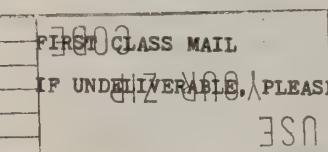
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#### CLUB GEAR LOAN PROGRAM

Since we must move our club gear soon from U.C. Field Station, where we have had lucky storage, thanks to Lyman Wiltshire, some gear might appeal to members for borrowing, subject to return for Field Day or other necessary reason. No use taking stuff just to have it gather dust in the basement--too much of that now,--but some of the military rigs were operational when put in the transportainer, and could be fun to put on the air. Ask for info at next meeting.

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EAST BAY RADIO CLUB  
JONATHAN HYMER WB6FJC  
179 KENDALL ROAD  
WALNUT CREEK, CA 94595



#### MEMBERSHIP CONTEST -- PRIZES AVAILABLE

Some prizes are still on hand from ex-prizes GENE BERGMAN'S good contest of two years back. A new contest is about to be announced. We need new members, and doubtless many new hams only need to be ASKED by someone who CARES. Seen any new antennas in your neighborhood? or near your work? or along an oft-travelled route? Some of my best ham friends were met that way, by a casual door bell ring. Maybe that ham needs the friendships and the help he can get from EBRC. Give it a try--and win a prize to boot!

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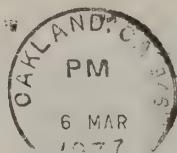
#### NOVICE GROWTH PHENOMENAL

December '76 saw FCC grade 4409 Novice exams, up from 2688 the preceding month! EBRC Novice class sends in 7 exams, hope they all pass the written, as they did fine on code. We hope you all will become EBRC members.

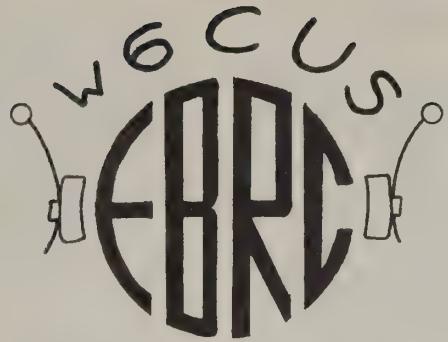
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#### HAMDOM FACES STARTLING GROWTH PREDICTION

Hams, world-wide, in '76 numbered about 750 thousand! Our clan is expected to leap to a MILLION by 1980, and SIX to EIGHT MILLION by the year 2000. Do you see why we need, not just want, new frequencies and must support FCC at WARC and in preparation. We need to expand technically to accommodate this growth, and must work for clean signals, interference reduction, good operating practices--the whole bit, to keep the air a happy place.



Jonathan Hymer  
7315 1/2 KELLOGG  
WALNUT CREEK, CA 94595



# THE BLOWN FUSE

EAST BAY RADIO CLUB P.O.BOX 782, EL CERRITO, CA. 94530 MEMBER: ARNS & 

The EAST BAY RADIO CLUB meets the second Friday of each month at the Kensington Youth Hut, Kensington Park Road, Kensington, Ca., at 8 P.M.

## OFFICERS

Pres.	Steve Dodge	K6ZR	233-5833
V.P. (1)	Chris Baldo	WB6OGE	653-1650
V.P. (2)	Dave Bacon	WA6TPJ	233-9568
V.P. (3)	Jim Gale	WA6FDX	525-3692
Sect'y.	John Francis	WB6IWR	233-7704
Treas.	Edith Baldo		653-1650
Editor	Jonathan Hymer	WB6FJC	935-5640

\*\*\*\*\* FLASH - EBRC TO HOLD FLEA MARKET PLUS AUCTION APRIL 8. \*\*\*\*\*

The monthly meeting for April will consist of a fleamarket and auction combination to be held at our new meeting place, The Kensington Youth Hut, located on Kensington Park Drive, just around the corner from Arlington Blvd. This corner is the location of the Kensington Library, and the Youth Hut parking lot is right across from the library. The 'Hut' proper is just a few steps up the slope from the parking lot.

The flea market will preceed the auction. Sellers may set-up at 5 p.m. The sale will start at 6 p.m., followed by the Auction at 8 p.m. Flea market registration is \$1 for sellers, per table space (approx. six feet). Unsold items at flea-market may be offered for auction at owners' election. Sellers set flea market prices, and are responsible for sales tax.

Items for the Auction may be sold for sellers account, seller to get the proceeds less 10% commission to the club. Or items may be donated to the club, in which case proceeds go entirely to the club.

Sellers may set a minimum bid if desired, or NO-MINIMUM, if they prefer. Sellers may bid on their own offering if they desire, but if awarded the bid by the auctioneer will then clear the sale just as any other buyer, with commission to the club. An offerer may lower his stated minimum bid if desired.

Items offered with no minimum bid and which do not sell, for lack of bids remain the property of the offerer, with no commission being due to the club.

All sales will be for cash. Acceptance of checks, or non-acceptance is at the option of sellers. The club assumes no responsibility for checks. Runners will assist the auctioneer and cashier to effect payment immediately following each item sale. Commission to the club will be payable at that time by cash.

This sale should be fun. Come and bring your friends.

## COMMITTEE CHAIRMEN

Fin., Legal, & Housing	Steve Dodge
Membership	Edith Baldo
Publicity & P. R.	Dave Bacon
Field Day	Jim Gale
Programs	Chris Baldo
Education	Steve Dodge
Hospitality	Anne Nicholson
Radio Operations	Dick Gray (Temp.)
C.C.R.C. Reps.	Sid Lagorio, WA6JGZ 526-8604

and

Steve Dodge	Steve Dodge
Edith Baldo	Edith Baldo
Dave Bacon	Dave Bacon
Jim Gale	Jim Gale
Chris Baldo	Chris Baldo
Steve Dodge	Steve Dodge
Anne Nicholson	Anne Nicholson
Dick Gray (Temp.)	Dick Gray (Temp.)
Sid Lagorio, WA6JGZ 526-8604	Sid Lagorio, WA6JGZ 526-8604
Les Bodin, W6JKY	Les Bodin, W6JKY

## PROGRAM CALENDAR

April 8	EBRC Spring Auction - Short Special Topic, (TO BE ANNOUNCED)
May 13	ARRL District Director 'Doc' Gmelin, and SCM Chuck Breeding
June 10	Field Day Preparation
July 8	Reg Pierce - Standard Oil Communications Dept. - Oil Spill Communications.
August 12	Safety in the Ham Shack, or Possible Field Trip - Repeater Station
Sept. 9	Show & Tell session. Show off that prize Home-brew project. Share your joys & tears.
Oct. 14	EBRC Fall Auction. Short special.
Nov. 11	Nominations, Election of Officers. Short Special.
Dec. 9	Christmas Party. Awards. Inauguration.

## DISTRIBUTED CAPACITY COAXIAL DIPOLE ANTENNA--PART 2

Last month, the first of a two part article about a unique dipole antenna was presented. This month, the construction details for the antenna will be presented. This article is reprinted with the permission of WA9PIV.

For antenna lengths see Table 1 and Figure 1 (at right). For illustration, however, the 80 meter antenna will be used. It is suggested at this time that one may use any 52 ohm coaxial cable for both the construction of the antenna and the feeding of it. The common choice of cables that meet this requirement are RG 58A/U or RG 8/U. It may be noted that RG 58A/U is a very good choice in that it is the least expensive. As for attenuation in this coax, within the high frequency band, losses are considered negligible. Also, with this antenna one may use RG 58A/U at maximum legal power without fear of feed-line break down.

For 80 meters, measure from a reference point on each side of center 30 ft. 6 in. and solder the inner conductor to the outer conductor of the coax. This forms the 52 ohm matching section and the balun. When completed one will want to waterproof these points of the antenna well. Next, at both ends of the antenna, the inner conductor must be shorted to the outer conductor. Waterproofing of the ends is not necessary at this time as the ends may need cutting later for tuning purposes.

At the center of the antenna, remove one inch maximum of vinyl jacket ( $\frac{1}{2}$  inch each side of center). Cut the shield in the center all the way around the coax. Do not cut the insulation or the center conductor. Form two (2) leads with the shield. These leads are the feed point of the antenna. Next, connect the feedline to these leads by soldering the feedline center conductor to one lead and taping, then soldering the shield to the remaining lead. See figure 2. When this is completed, waterproof as best as you know how. As for feedline length, random length may be used. However, lengths of 57 ft., 87 ft., and 103 ft. are about optimum for 75-80 meter use. The same coax type should be used for both antenna and feeding. Separate feedlines must be used for each antenna.

Next, the antenna is erected. After erecting the antenna, measure the SWR and trim the antenna to length at desired resonance. The SWR will be an absolutely flat 1:1 when the antenna is at the proper length at design frequency. Be sure to solder the ends of the antenna (shield to center conductor) before measuring the SWR and also after completion. Finally, waterproof the ends. This completes the antenna installation.

Follow this same procedure for antennas of other bands. Refer to the table at the right for proper dimensions. It may be added that this antenna is designed for use as a "Flat Top" or an "Inverted V".

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What do YOU want to see in the Blown Fuse? Would you like to see more technically oriented articles? Would you like to see more construction articles for ham radio equipment? Perhaps you would like more series articles such as the one presented above. Or do you want to see more news items such as new FCC proposals as they come out? Would you like to see more articles pertaining to club activities? Would you like a want-ad section? We do not carry advertising now, but would you like to see advertisements run if it would help defray the costs of printing and mailing the Blown Fuse? Contributions are always welcome. If you have something that you want the other members to know about, send it to me and I'll be glad to include it for publication. Remember, a newsletter is only as good as its readers...

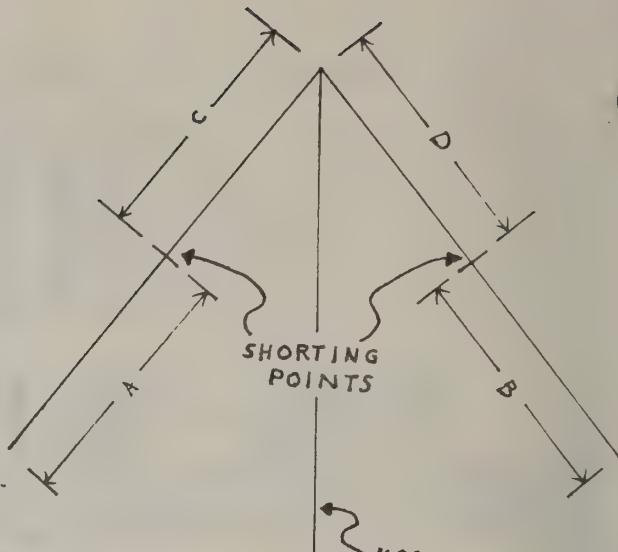


Figure 1

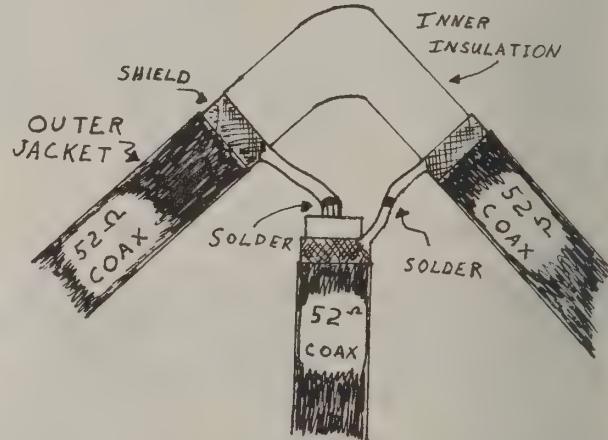


Figure 2

ANTENNA MEASUREMENTS  
TABLE 1

75-80 meters-----	A - 29' 6"	10 meters--A - 4' 5"
	B - 29' 6"	B - 4' 5"
	C - 30' 6"	C - 4' 2"
	D - 30' 6"	D - 4' 2"
40 meters -----	A - 14' 9"	*****
	B - 14' 9"	
	C - 16' 9"	
	D - 16' 9"	
20 meters -----	A - 8' even	Note -- Sections
	B - 8' even	A & B can consist
	C - 8' 9"	of #12 or #14
	D - 8' 9"	wire if desired.
15 meters -----	A - 5' 10"	- o o o o -
	B - 5' 10"	
	C - 5' 7"	
	D - 5' 7"	

## PRESIDENT'S MESSAGE

It is an established truism that nothing is more certain than change. We see it on every hand. Changes are coming thick and fast in the world of Amateur Radio, and EERC is planning to keep you advised as closely as possible, therefore we have made a change in the Blown Fuse content, running extracts from Ham Radio Report, identified by the subscript, HRR, at the bottom of each article. We hope you find these helpful in keeping you up-to-date on the major FCC rules changes as well as operating matters. FCC rules changes come about after a rather lengthy procedure. First, a proposal is placed before the commission, and it may be generated internally within the FCC staff, or it may come from an outside group. When these become known to us by any of the various news sources we will try and put them in the Blown Fuse. You may then begin to think about them and form an opinion.

The official action at FCC then gets underway with the assigning of a Docket Number, and releasing a First Order and Inquiry, which places the matter before the communications world offering opportunity for input from interested groups or individuals. Time limits are usually set for pertinent input. This input is then considered by the commission staff, perhaps by special committees, whose action may then be promulgated by a Second Order, and depending on the complexity, further input may be requested, and additional Orders may be issued. At some point an Order of Rule Making comes into being and we then have a new FCC Rule to live with.

On those matters affecting the Amateur Radio community, our input is requested and desired by FCC, and if we do not participate then we have little room to criticize the results.

Your opinions voiced at club meetings when FCC issues are raised are important as part of our group response, but we should not limit our comment to that; we should write as individuals. QUANTITIES of individual replies may be of great impact in the rule making process.

By latest HRR it is learned that the FCC is considering lengthening the typical 'reply time' of two weeks, to one month hoping more amateurs will respond. The extra time would permit better opportunity for discussion at club meetings, many of which are held on a once-a-month basis. We urge your participation.

A change on our local club scene is in holding a flea-market session in conjunction with our usual auction—this will comprise our April meeting. At this time we have a considerable assortment of parts, meters, transformers, coils, etc., from the estate of Joe Lowery, W6QZ, and those of us with the builders inclination should find the flea market a real opportunity. Please give it your support and invite all your ham friends to come along and enjoy the sale. Bring some gear for the sale yourself. It may be place for sale with the proceeds to come to you less the usual nominal commission to the club, or your donation of equipment to the club, in which proceeds go to the club, can help the clubs finances significantly. Our club's funds are carefully spent, whether in our educational effort, or for a better, and more costly Blown Fuse, or to support the Field Day program, or perhaps to add some useful equipment for the new club HQ at the Kensington Youth Hut.

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There is still a great need for volunteers to help man the information booth in Antioch on July 2nd. Anyone who wants to help, please call Dave Bacom at 233-9568.

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## WELCOME TO NEW MEMBERS.

We extend a cordial welcome to the following new members.

Edith E. Baldo	WB6WNZ
Curtis Church	W6STC
Pat Griffin	WA6SCW
Manuel J. Gutierrez	
John Rodosevich	
L. Lewis Walker	W1PA/6
Dennis Lee	WA6QKT

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We are glad to have you aboard. Vy 73 to all.

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Those of you who didn't turn your survey cards should either bring them to the meeting or mail them to the club's P.O. Box. Thanks!!

## MEETING MINUTES:

The meeting was called to order at 2005 by President Dodge. All officers were present. An attendance of approximately fifty people attested to the accessibility of our new location at the Kensington Youth Hut. Guests were introduced. Minutes of previous meeting and Treasurer's report were unanimously accepted as appeared in The Blown Fuse. Note was made of our Spring Auction to be held at our next meeting, and an Auction Committee headed by Dave Bacom was appointed to arrange the details.

The On-Time door prize was won by Ivan Sturman. Break for refreshments at 2035. We reconvened at 2100 when Sid Lagorio introduced the speaker on our program, Mr. John Orr. A Communications Engineer with PG&E, Mr. Orr provided an interesting, informative and colorful talk on the topic of TVI. He gave us many practical and useful pointers on detecting common sources of interference. Excellent! Drawing prizes were won by Jack Joyce, Jake Adams, Carl Clark, Lou Serpis and Dick Grey. Meeting adjourned at 2220.

--John H. Francis, WA6IWR, Secretary

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## TREASURER'S REPORT:

	<u>CURRENT PERIOD</u>	<u>YEAR TO DATE</u>
BEGINNING BALANCE	\$497.28	\$432.24
RECEIPTS	138.50	436.17
DISBURSEMENTS	152.78	385.41
BALANCE-END	483.00	483.00
GAIN (LOSS) FOR PERIOD (14.28)		50.76

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## WANT ADS:

(Want Ad inserts will be published for any member who wishes to sell, buy, or trade any item or service. Please type or legibly write your ad exactly as you wish it to appear and please include your phone number.)

\* Lyman Wiltshire WB6SMY would like to buy a Heathkit Model HG-10 or 10B VFO for his HW-16. Please call 524-2690 or write to him at 1963 El Dorado Ave., Berkeley, CA 94707.

\* FOR SALE--Royal Portable Typewriter, excellent condition, \$60.00. Jim Hudon WB6NTH. 234-2597. (10% of the sale will be donated to the Club.)

## IMPORTANT

As reported in THE WALL STREET JOURNAL, the FCC won't resume charging fees of any kind for any licenses it issues.

A whole new system has to be devised and this will take considerable time to accomplish. Until it is, no fees will be charged.

---Worldradio

A new 6-meter operating award came into being 1 January 1977. The 6-Meter 600 Club Award, for contacts on or after 1 January, has an interesting format with a point structure based on both countries and ARRL sections.

If you are now active on 50 MHz, or planning to be in the coming months, be sure to ask for the special application form. Send your addressed stamped envelope to ARRL, 225 Main St., Newington, CT 06111. Please make a notation of 6-meter award on your return envelope.

---Worldradio

TO THE BEST OF THE EDITOR'S KNOWLEDGE, ALL INFORMATION CONTAINED HEREIN IS ACCURATE AS OF THE DATE IT WAS SENT TO THE PRINTER

LICENSING AMATEUR RADIO DEALERS and requiring an appropriate operator's license of purchasers of transmitting equipment has been proposed by the San Antonio Repeater Organization in a Petition for Rule Making filed with the FCC February 9. SARO's proposal offers a possible alternative to the FCC's more restrictive approach of banning linear transmitters with 10-meter coverage and is certainly worth consideration. As the petition points out, such licensing is now done with firearms dealers and could incorporate point-of-sale registration to make circumvention difficult. HRR

SEARS' NEW TO-METER RIG is still not being delivered, but first shipments are promised for mid-April. Sears has received much criticism on the air and in some Amateur club papers for making Amateur equipment readily available to would-be bootleg operators and, in a widely-distributed letter, Directors of the Seneca (Ohio) Repeater Association have recommended that members boycott Yaesu Amateur radio equipment and protest the selling of two-meter equipment by Sears. However, the ad for the Sears rig includes a very specific warning about the need for an Amateur license, and suggests contacting a nearby FCC office for suggestions as to how and where the required license can be obtained. HRR

A PHONEY FCC PUBLIC NOTICE announcing that "HFers" have been allocated the government frequencies between 17405 and 28000 has been making the rounds. Effective date for the bogus new "service" is, naturally, April 1! HRR

HIGH PASS FILTERS would be required on all TV sets sold in Texas after next January 1 if Texas House Bill 1440 should become law. The bill's sponsor is Representative Samuel Hudson, who previously sponsored HB 383 which would have levied fines on anyone causing TVI (HRR 136). Congratulations to the American Radio Council and others for turning Rep. Hudson around to our side — Texas Amateurs should actively support HB1440. HRR

FAST-SCAN TV REPEATERS can continue to operate in the entire 420-450 MHz Amateur band under a new waiver released by the FCC on March 1. The new waiver is in effect until February 27, 1982, or until a Report and Order on Docket 20777 (the bandwidth docket) sets other limits on ATV.

A Fast-Scan ATV Repeater is due on in Madison, Wisconsin, in the near future — it's being built by WB9KMO, will operate on 427.25 in and 439.25 out with 30 W ERP, according to the WAR Newsletter. In Boston K2VTE is building an ATV repeater, seeks area ATVer's help — he's at 147 Neal, Malden, MA 02148. Thanks A5. HRR

A NEW 1X2 CALLSIGN MATRIX has just been prepared by the ARRL and copies are on their way to those who've already requested it. An SASE (24c) marked "April 1x2 Call List" will bring a copy in time for April 1 applicants. Unfortunately it won't be entirely up to date, as processing continues on the January 1 backlog.

Nx2 Callsign Processing has been running appreciably slower than for the W or Kx2s, since Nx2s were being processed by hand until a computer program could be debugged. The computer has now been tamed, and Nx2 processing is catching up. HRR

WA6TPJ  
DAVE BACOM  
2017 SUTTER AVE.  
SAN PABLO, CAL. 94806

"BULK MAILED" NOVICE EXAMS may be discontinued because Gettysburg is having so many problems with vague requests and non-return of unused exams. The net result is proving as heavy a burden on Amateur licensing people as handling Novice exams on a one-to-one basis used to be. There has even been some talk that perhaps the Novice program itself is no longer needed, since Technicians now have all Novice privileges, the material covered in the Novice exam is also in the Technician exam, and CB is doing the basic job of promoting two-way radio as a hobby! HRR

Processing Novice Exams consumes a major portion of the manpower Gettysburg devotees to Amateur licensing, and with Technician ranks growing along with the higher grade licenses it is possible that cutting back or even dropping the Novice program will be proposed. Novice exam requests and scoring at present have number one priority at Gettysburg, however, and current turnaround time for a proper exam request is still 2-3 weeks. Processing time for other routine applications is running 5-6 weeks. HRR

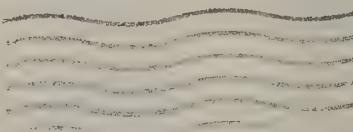
ANOTHER RFI BILL that would require manufacturers to build better front ends and RFI suppression into their TV sets and Hi-Fi gear has just been introduced in the Senate by Barry Goldwater, K7UGA. Barry's bill — S-864 — is similar to his effort in the last Congress and reportedly will be paralleled in the House by a similar measure from Representative Vanik of Ohio, who has also previously been a leading proponent of such legislation.

The Amateur Community must get behind these two bills and see that they get through Congress this time. It's the RFI problem that provided the impetus for the FCC's proposed ban on 10-meter linear transmitters, and unless home entertainment equipment is made less susceptible to RFI the outlook is for more and more repressive rules and legislation in the future, both on the national and local level. HRR

AMATEURS MOVING to a new permanent location now no longer are required to advise the FCC of the change within four months as has been required by Part 97.95 (a) (2) of the Rules. In an action adopted Tuesday, the Commissioners simply deleted that paragraph from the Rules. One caution must be observed, however — be sure mail sent you at the address the FCC does have gets to you, as "failure to reply to official communications" — for example a "pink ticket" — can get you in deep trouble!

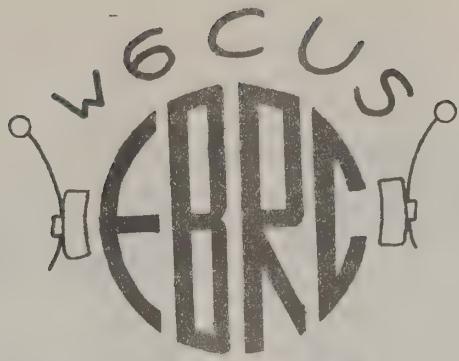
ARRL DUES INCREASE takes effect April 1, so now is your last chance to renew or extend at current rates. Over 550 new life member applications were received by the League in the last half of February and several times that number are expected to come in before the April 1 hike. Regular members who have more than a year to go on present memberships and who wish to upgrade to life membership can receive credit for the remaining portion of the regular membership — a note to that effect should accompany the life membership application. HRR

For those of you who couldn't figure out the RTTY puzzle in last month's issue, it said: TRY THIS RTTY PUZZLE ON FOR SIZE (bell bell)



United States 13c

Morrison Pool W6CJI  
7315 Eureka  
El Cerrito, CA 94530



# THE BLOWN FUSE

EAST BAY RADIO CLUB P.O.BOX 782, EL CERRITO, CA. 94530 MEMBER: ARNS &



The EAST BAY RADIO CLUB meets the second Friday of each month at the Kensington Youth Hut, Kensington Park Road, Kensington, Ca., at 8 P.M.

## OFFICERS

Pres.	Steve Dodge	K6ZR	233-5833
V.P. (1)	Chris Baldo	WB6OGE	653-1650
V.P. (2)	Dave Bacom	WA6TPJ	233-9568
V.P. (3)	Jim Gale	WA6FDX	525-3692
Sect'y.	John Francis	WA6IWR	233-7704
Treas.	Edith Baldo	WB6WNZ	653-1650
Editor	Jonathan Hymer	WB6FJC	935-5640

## COMMITTEE CHAIRMEN

Fin., Legal, & Housing  
Membership  
Publicity & P. R.  
Field Day  
Programs  
Education  
Hospitality  
Radio Operations  
C.C.R.C. Reps.

and

Steve Dodge  
Edith Baldo  
Dave Bacom  
Jim Gale  
Chris Baldo  
Steve Dodge  
Anna Nicholson  
Dick Gray (Temp.)  
Sid Lagorio, WA6JGZ  
526-8604  
Les Bodin, W6JKY

## NEXT MEETING

At press time, the speakers were scheduled to be J. A. "DOC" GMELIN, W6ZRR, Pacific Division Director of the American Radio Relay League, and CHARLES R. BREEDING, K6UWR, Section Communications Manager of the ARRL for the East Bay. The program will have to do with the upcoming Field Day event, so it is very important that all interested members attend.

\*\*\*\*\*

Doors open at 7:30 p.m.

Meeting starts at 8:00 p.m.

Door Prizes -- Raffle -- Refreshments

SEE YOU THERE!!

## PROGRAM CALENDAR

May 13	ARRL District Director 'Doc' Gmelin, and SCM Chuck Breeding
June 10	Field Day Preparation
July 8	Reg Pierce - Standard Oil Communications Dept. - Oil Spill Communications.
August 12	Safety in the Ham Shack, or Possible Field Trip - Repeater Station
Sept. 9	Show & Tell session. Show off that prize Home-brew project. Share your joys & tears.
Oct. 14	EBRC Fall Auction. Short special.
Nov. 11	Nominations, Election of Officers. Short Special.
Dec. 9	Christmas Party. Awards. Inauguration.

## PRESIDENT'S MESSAGE

We are all aware that it's a fast moving world and we have to keep our guard up every minute. This fact was brought home to us by the early April article by columnist Jack Anderson. Most of you saw the article, some of you mentioned it to me, and know that in addition to taking pot shots at the FCC and ARRL the tenor of the article with it's limited explanatory background was, in my opinion, certain to be misleading, misunderstood and misinterpreted by most lay readers.

It seemed to imply that the worlds of Amateur Radio, and CB are two mutually exclusive and possibly antagonistic groups. Further that the ARRL was trying to 'box in' or freeze out CBers by monopolizing frequencies, and that certain FCC personnel were biased toward Ham radio to the detriment of CB radio.

I take sharp issue with all these viewpoints. First off, many, probably thousands, of persons are both CBers and Hams. Secondly, all the privileges and frequencies available to hams are available to CBers (and to anyone else) by simply meeting the requirements and getting that ham 'ticket'. Similarly, any ham can be a CBer—just get the ticket! And presently for NO FEE. So there is no mutual exclusion at all.

As for ARRL boxing in CBers, nothing could be farther from the truth. ARRL has lead the way in helping CBers to take the NEXT STEP—into amateur radio—by spending copious amounts of money—paid by its 'ham' members—to prepare free study guides and course materials for class use, and for making available some splendid instructor guides and teaching aids so that nearly anyone who is willing to give some of his time can be a qualified instructor to help CBers and others into the ranks of amateur radio. ARRL has made available the splendid study kit 'Tune In The World' complete with cassette tapes so that anyone can qualify himself by home study for the entering level license, Novice Grade, and ARRL has certainly gone all in encouraging its 1500 affiliated clubs in all parts of the country to contact CB groups, and to lend a hand in the course program, and in arranging to make volunteer examiners available to help in the novice program.

Rather than being a pot-shotter, Jack Anderson would have been better advised to let the reading public know what ARRL is doing and commend it for such a good job, which is bringing in new-comer novices in record numbers—heavily from CB ranks.

In such a short article there was scarcely room to give the lay reader enough background to recognize that mere numbers 20 million Versus 300 thousand, or relative spectrum space, cannot be directly compared. One must consider Congress' original intent in establishing the purposes of Amateur Radio —

To generate a citizen reservoir of partially trained 'technical' and 'operating' personnel—available in national emergency, and

To supply emergency short and long distance communications in time of disaster or other public need, and

To foster international good will thru person to person on-the-air contacts and interchange, and

All with NO PECUNIARY GAIN to the participants, all done on a hobby basis!

NO SUCH requirements are placed on CBers, nor need for them to show public service, (though many CBers have performed noteworthy public service), and neither are CBers bound by the No Pecuniary Interest restriction in their use of the CB frequencies. In fact one of the prime intents of Congress for CB radio was for the use of small business. It was intended for legitimate personal communications, and only by a fluke and manufacturers profit interest did it get promoted into a 'hobby' radio deal.

We are very glad to know that so many CBers have displayed a good sense of public service, and they follow a precedent set by Amateurs decades before CB ever came into existence.

As CBers 'move up' to amateur radio we welcome this spirit of public service. And we hope thousands more CBers will get into Amateur Radio. In my personal view, all 'hobby' radio communications should be amateur band. If the hobbyists moved out of CB bands, the users of those frequencies in the original intent of Congress could live much better in the allotted CB spectrum space.

With the added numbers in 'ham' radio, we'd stand a better chance to go after and GET added bands and frequencies. With new UHF channels and new techniques there should be room for all the short-haul communications one could want. Directive arrays, microwave 'dishes' and other directive techniques could make for maximum frequency use and lowest interference.

SO, let's keep our guard up against misinformation. How about you writing a note to your paper that carried Anderson's column and let the editor know you're out there, reading and thinking, and aware, and that you expect responsible journalism from national commentators. It's up to YOU to keep your guard up. It's your hobby and your dues!

Steve Dodge K6ZR

## FIELD DAY FLASH

Present indications are that we will be able to use a Field Day site in the Richmond Inner Harbor area. Possibly dockside, which would be nifty if we can arrange a real, salt water ground, and also may arrange to have an 'on-board, boat type installation for one transmitter!

## EYE ACCIDENT HOSPITALIZES DAVE BACOM - 2nd VEEP WA6TPJ

A serious tangle between eyeball and car door required fast surgery for Doughty Dave, but even with complications late word indicates vision will be repairable, and we certainly all hope with minimum impairment. Having active worker, Dave out of action for even a few days is felt by club staff. Our best to him for rapid recovery.

## CW COMPREHENSION EXAMS NOW LEGAL

All FCC Field Offices should now have them, but if you plan a CW test At FCC, suggest you call ahead and see if SF office is set up to give the test that way.

## POSSIBLE FCC BAN ON 10 & 11 METER LINNEARS BOOMS SALES.

The president of Digital Sport Systems says Ban Fear has spurred sales to 6000 linnears per week—estimates 4 million CBers now using some sort of illegal amplifier!

## F I E L D   D A Y

A 'fun fest' for everyone, or—You haven't LIVED UNTIL....

How do you think of FIELD DAY? Is it a camping trip, a picnic, a hamfest, a contest or an emergency preparedness exercise? Is it all of these rolled into one?

However you view Field Day, it is time to think of your participation with EBRC in Field Day 1977. This year Field Day will be held June 25 and 26. Those who have participated in past F.D.s can tell you that you should try it at least once.

If you are a novice or a technician who would like to up-grade your CW skills, here is an excellent opportunity to find innumerable hams who send and receive at your most comfortable speed. You will have no trouble making contacts for this 24 hour period.

Are you trying to get those last few elusive states for WAS? Here is a perfect opportunity to catch the rare ones!

Are you acquainted with "Murphy"? Participate in Field Day and meet this troublesome gent. Past events have included heat, cold, wind, fog and rain. Last year several of us spent hours searching for the coax lead from a dipole that mysteriously disappeared during the night when horses in the pasture where we were located became entangled in it.

So, whether it's a painless increase in your code speed, or a high score for the club in the contest, or for just a darn good time, begin now to make plans to join your fellow club members June 25 and 26 in FIELD DAY '77.

Ted Culiver WA6CRG

TO THE BEST OF THE EDITOR'S KNOWLEDGE, ALL INFORMATION CONTAINED HEREIN IS ACCURATE AS OF THE DATE IT WAS SENT TO THE PRINTER.

MEETING MINUTES:

No formal meeting minutes were sent in for publication in the Blown Fuse due to the absence of the secretary.

TREASURER'S REPORT:

	<u>CURRENT PERIOD</u>	<u>YEAR TO DATE</u>
BEGINNING BALANCE	\$483.00	\$432.24
RECEIPTS	763.65	1149.06
DISBURSEMENTS	240.28	625.69
ENDING BALANCE	523.37	523.37
<u>GAIN FOR PERIOD</u>	<u>\$ 40.37</u>	<u>\$ 91.13</u>

--Edith E. Baldo, WB6WNZ, Treasurer

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ARE YOUR DUES PAID UP?

As of April 30, it will again be time for many members to repay their dues. PLEASE check your EBRC membership card for the date of expiration of membership, and renew promptly at the next meeting or by sending the payment in to the club at P.O. Box 782, El Cerrito, CA 94530. Remember, payment of dues provides funds for the club's many activities, including the publication of this paper so that little notices like this can be included.

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NOTES:

A 6-meter CW sub-band for all classes except Novice is sought in a petition filed with the FCC by the Six Meter International Radio Klub. SMIRK's petition--RM-2832--would retain 50.00 to 50.05 for Advanced and Extra classes, but permit Generals and Technicians use of 60.05-50.1. HRR

FCC'S Amateur Radio Resources are being stretched in areas other than Gettysburg. Most Field Offices are reporting as high as 10 times the usual number of Amateur License applicants, with waits up to four hours for exam takers in Washington last week! The crunch will probably get worse before it gets better.

SID LAGORIO WA6JGZ RETIRES — CONGRATS AND 73.

We all extend heartiest congratulations to Sid and charming wife Billie on this the occasion of his retirement. For a considerable number of years Sid has been a principal in the Krogh Pump Co., but has now elected to put down the engineer's drafting equipment and calculator and to start working on that backlog of personal things that we all look forward to devoting more time to as the years tick along. Sid and Billie will be dividing time between Kensington and the island of Maui in Hawaii, so we do not look for a total absence from our meetings and activities.

Over the years, Sid has been one of the most active members of EBRC having served as president, and as perennial representative to CCRC, along with support from Les Bodin, W6JKY who has accepted that assignment. Sid has long been active on 2 meters and in the Grizzly Peak VHF ARC, WR6ABM. Another tremendous job he has done for EBRC has been in serving as Program Chairman for the last several years. It is a lot of work and a big responsibility to think of speakers for our meetings, make the many calls and arrangements for those speakers, and so his outstanding service to EBRC in this regard is truly appreciated by the several administrations during which he has served in this manner. He has also been the mainstay in seeing that door prizes and raffle prizes were purchased and on hand, another major chore for which our sincere thanks, Sid. Billie, too, has helped on many occasions and in many ways, so she too will be missed as a regular with us. Our best to you both in this new phase of life, and here's hoping to hear you a lot on the airwaves from Aloha Land.

The 40db down spec on rigs operating under 30 MHz, and 60 db down to 30 to 235 MHz effective 4/15/77 draws requests for relief from ARMA, Drake and others. A number of commercially built rigs fail to comply, Part 97.73 standards. Docket hits manufacturers and sellers of ham gear, but no reported cases of action against personal, (one to one, one-time) sales. Not likely. Technically rules apply to home-brew rigs, but most any good low-pass filter should do the job. EBRC now looking into easiest way to check your spurious and harmonic radiation. Delays and other relief being sought.

LICENSING AND LIMITS

The proposal to limit transmitter sales to amateur licensees, filed by San Antonio Repeater Organization had record breaking number of comments filed. RM 2839. ARMA and Drake strong supporters. SASE to Peter Drake at Drake, or SARO, Box 1753, San Antonio, Tex. 78296 will bring you info. Ask for info on Docket 21116 and 21117. 21116 covers proposed ban on linear, and 21117 type acceptance program for manufactured ham gear. Ask Drake about his 'Proof of Licensing' proposal.

WARC 5th NOTICE OF INQUIRY

Release expected mid-May. Draft proposes 80, 40, 20 be exclusive amateur, 15 meters be back where it should be, (not changed as first proposed). Broadcasters interest shown in the low-freq band 160-190 KHz which had been proposed by ARRL for amateur use. Broadcasters would also like to push BC band up from 1605 to 1805—possible interference threat to 160 M.

TARIFF BOOST MAY 'UP' IMPORT HAM GEAR PRICES.

New Customs Court ruling, result of Zenith suit, places sharply higher tariff on all Japanese manufactured gear. Appeals are underway.

COLUMNIST SLAP AT ARRL & AMATEUR RADIO DRAWS FIRE

The JACK ANDERSON column (April 4 to 6 in various papers) drew quick, heavy response to author, Anderson assistant, who apparently got fractional and confidential material, which without proper background looked like hot copy. Heavy response was almost ALL anti-article, but PRO-amateur. YOUR letter could still help the cause. Send to Rep. Levitas (U.S. House of Repr.) and copy to Larry Kraftowitz, c/o Jack Anderson, 1401 16th St. NW, Washington, D.C. 20036. A follow-up article more favorable to ham radio (and more accurate let us hope) may be forthcoming, BUT YOUR letter will help bring it off. Write today.

PERSONAL COMMUNICATIONS FOUNDATION (PCF)

Supported by contributions from ARRL, Yaesu, Wilson et al, has received more than 400 inquiries, and letters going to lawyers, judges etc. involved in actions pertaining to RFI, TVI etc. People making and ruling on the laws need strong support and information on these technical subjects, otherwise bad laws get on the books, or unfair rulings. Makes you feel better about those ARRL dues, doesn't it. Ham radio ORGANIZATION, ARRL in particular, needs and should have the support of EVERY ham. Is your ARRL membership current?

INSURANCE

ARRL investigating insurance programs for hams. Interesting proposals have been received and have attention of executive board.

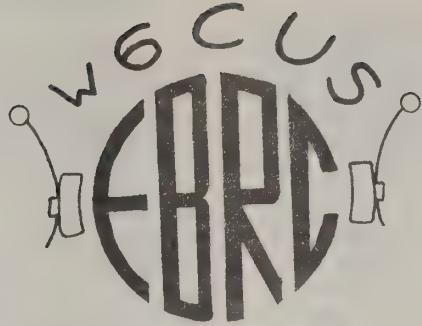
REPEATER DIRECTORY

ARRL hopes to have about June 1, listing more than 3000 systems.

Be SURE to attend the next meeting if you are planning to participate in the field day at the end of June. From personal experience I can tell you that it is FUN!

JONATHAN HYMER WB6FJC  
179 KENDALL ROAD  
WALNUT CREEK, CA 94595





# THE BLOWN FUSE

EAST BAY RADIO CLUB

c/o Steve Dodge, K6ZR, 5601 Doremus Ave., Richmond, CA 94805.



The EAST BAY RÁDIO CLUB meets the second Friday of each month at the Kensington Youth Hut, Kensington Park Road, Kensington, Ca., at 8 P.M.

JUNE, 1977

#### OFFICERS

Pres.	Steve Dodge	K6ZR	233-5833
V.P. (1)	Chris Baldo	WB6OGE	653-1650
V.P. (2)	Pave Bacon	WA6TPJ	233-9568
V.P. (3)	Jim Cale	WA6FNU	525-3692
Secy.	John Francis	WA6IWR	233-7704
Treas.	Edith Baldo	WB6INZ	653-1650
Editor	Jonathan Humer	WB6FJC	935-5640

#### COMMITTEE CHAIRMEN

Fin., Legal, & Housing	Steve Dodge
Membership	Edith Baldo
Publicity & P. R.	Dave Bacon
Field Day	Jim Cale
Programs	Chris Baldo
Education	Steve Dodge
Hospitality	Anna Nicholson
Radio Operations	Dick Cray (Term.)
C.C.R.C. Reps.	Sid Laporio, WA6IJC 526-8604
and	Les Rodin, WB6JKY

#### NEXT MEETING

#### FIELD DAY PREPARATION

The next meeting will consist of a preparation for the upcoming FIELD DAY event in June. Field Day is not only a preparedness exercise for emergencies, it is also FUN! Come one, come all to the next meeting, and everybody come to the Field Day. Let's make this the biggest and best Field Day event that the East Bay Radio Club has EVER had! Location and instructions on how to get there at the next meeting.

A mini flea market will be held at the next meeting. The sale will be some of the late Ben Gould's radio effects.

\*\*\*\*\*

DOORS OPEN AT 7:30

MEETING STARTS AT 8:00

REFRESHMENTS--DOOR PRIZE--RAFFLE

#### PROGRAM CALENDAR

May 13	ARRL District Director 'Doc' Omelin, and SCM Chuck Breeding
June 10	Field Day Preparation
July 8	Reg Pierce - Standard Oil Communications Dept. - Oil Spill Communications.
August 12	Safety in the Ham Shack, or Possible Field Trip - Repeater Station
Sept. 9	Show & Tell session. Show off that prize Home-brew project. Share your joys & tears.
Oct. 14	EBRC Fall Auction. Short special.
Nov. 11	Nominations, Election of Officers. Short Special.
Dec. 9	Christmas Party. Awards. Inauguration.

## RADIO SHACK SAFETY:

The August 12 meeting presentation will be a discussion of safety in the ham shack--a serious subject all-too-often ignored. In the first of a three-part article on safety to appear in the Blown Fuse, nine rules for a safer shack are presented. Please take the time to read this article because a life might be saved. This article is an excerpt from an ARRL class flyer (Form CT-9).

## ARRL SAFETY CODE

1. KILL ALL POWER CIRCUITS COMPLETELY BEFORE TOUCHING ANYTHING BEHIND THE PANEL OR INSIDE THE CHASSIS OR THE ENCLOSURE.
2. Never allow anyone else to switch the power on and off for you while you're working on equipment.
3. Don't shoot trouble in a transmitter when you're tired or sleepy.
4. Never adjust variable links by hand. Use special care when checking energized tank circuits with absorption-type wavemeters.
5. Avoid bodily contact with grounded metal (racks, radiators) or damp floors when working on the transmitter.
6. Never wear phones while working on gear.
7. Follow the rule of keeping one hand in your pocket.
8. Instruct members of your household HOW to turn the power off, and HOW to apply artificial respiration. Instruction sheets on the latest approved method of resuscitation can be obtained from your local Red Cross office.
9. Develop your own safety technique. TAKE TIME TO BE CAREFUL. DEATH IS PERMANENT.

Next: Rules for Equipment Design and Construction.

\*\*\*\*\*

## NEW MEMBERS:

EBRC extends a warm and friendly greeting to the following new members:

Mr. Peter T. Annas  
715 Coventry Road  
Kensington, CA 94707

Mr. Bernie Bacom WB6UYJ  
2017 Sutter Avenue  
San Pablo, CA 94806

Mr. Bruce Quan WA6PXL  
2167 31st Avenue  
San Francisco, CA 94116

We welcome you into the club, and hope you will get involved--give us a hand on one of the committees of your choice. This is a live-wire club "doers." As the old saying goes--"you get OUT in proportion to what you put in!"

\*\*\*\*\*

"Congrats" to new call assignees in our membership:

Bill Read - WD6AKC  
Bill Lewis - WD6AGP  
Bernie Bacom - WB6WYJ

NO COPYRIGHT LIABILITY IS ASSUMED FOR ANY ARTICLE OR OTHER MATERIAL PRINTED HEREIN.

## FIRST ANNIVERSARY ISSUE:

It has been exactly one year (12 issues) since I took over the publication of the Blown Fuse, and I must say that it has been quite an experience, but, I am glad to say, a happy one. To start off my second year, I have purchased my own printing machine; I have enjoyed the first year so much, and I look forward to serve you more.

--Jonathan Hymer, WB6FJC

\*\*\*\*\*  
\* IN MEMORIAM \*  
\* BEN GOULD - WA6IKG \*  
\* We regret to announce a SILENT KEY member. \*  
\* Ben had been failing in health, but as long as \*  
\* health permitted was a "regular" club attender \*  
\* and supporter--one of those nice people that \*  
\* make up hamdom. We will miss him. \*  
\*\*\*\*\*

## MINI FLEA MARKET:

Some of the late Ben Gould's radio effects will be available at the June meeting. Come a little early and look them over--you may find something you'd like, and proceeds will help Mrs. Gould and the Club.

\*\*\*\*\*

(This is taken from the ARRL PACIFIC DIVISION NEWSLETTER)

## TOWERS AND ANTENNAS: HOW HIGH IS HIGH ENOUGH?????

One of the major problems facing amateurs today involves the many cases where local governments are taking action against amateurs because of their antennas and towers. While this problem is not new, it is becoming increasingly a thorn in the side of many amateurs trying to enjoy their hobby.

As you will note in the minutes of the Board Meeting in the March issue of QST, the League is giving support to the new Personal Communications Foundation. This is a group of attorneys, based in Southern California, but with representation from around the country, that it is organizing to defend the rights of amateurs and other personal radio users, to have reasonable towers and antennas.

While this work is of the greatest importance, it should be pointed out that while we amateurs certainly have rights to put up antennas, these should be of reasonable height, construction and

size for the property of the amateur. The big question here is, what are reasonable heights and sizes for antennas.

Most everyone would agree that for a small sized city lot, there must be some size that is acceptable, but what that size should be is most difficult to determine. I would very much like to ask that the members give me their ideas on this problem.

...Do oversize antennas give some operators advantages in competitive operating that cannot be overcome by anything short of a like oversize installation or overpower?

(Editor's note: The ARRL is taking a survey of amateurs' opinions on the above two issues.)

TO THE BEST OF THE EDITOR'S KNOWLEDGE,  
ALL INFORMATION CONTAINED IS ACCURATE.

MAY 13, 1987

The regular Membership Meeting was called to order at 2005 by President Steve Dodge. All officers were in attendance. Guests were introduced. A letter of appreciation from Mrs. Hazel Lowry was read. It was noted that the club treasury benefited by proceeds of \$73.77 from our April 8 Auction and flea market. Treasurer's report by Betty Baldo was unanimously accepted. Betty was very busy accepting dues from members during the evening (Hint, hint). President Dodge reported on the favorable results of the Novice Class recently concluded, and announced that a General Class is being held Tuesday evenings at 7:30 p.m. at the Richmond Yacht Club. All interested are invited. The On Time Door Prize was won by Bill Read. Jonathan Hymer announced the availability of a UHF/VHF Test Clinic. Sid Lagorio is already being missed, and our club will need volunteers for attendees at C.C.R.C. in Belmont. V.P. Jim Gale told us that Field Day preparations are coming along well and that we'll be located in the Richmond Harbor area for our operations June 24, 25. Sounds like fun already! After a break for refreshments and "gammimg", the meeting reconvened. We were delighted to have as our guest speaker Chuck Breeding, K6UWR, ARRL Section Communications Manager for the East Bay. Chuck gave us a most informative and interesting talk describing the growth on Ham and CB radio, pointing out many of the administrative and other problems that rapid growth has brought. Somehow Chuck made us feel good that we had problems of growth and not of atrophy and stagnation. We're fortunate to have guys like Chuck in there doing the 'headache' work while we have the fun, although you can tell Chuck enjoys what he is doing for our great hobby. Let's have him back soon! After the prize drawings, we adjourned at 2158.

--J.H. Francis, WA6IWR, Secretary

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#### TREASURER'S REPORT:

	CURRENT PERIOD	YEAR TO DATE
BEGINNING OF PERIOD	\$523.27	\$432.24
RECEIPTS	633.37	1259.06
DISBURSEMENTS	93.41	719.10
END OF PERIOD	539.96	539.96
GAIN FOR PERIOD	16.59	107.72

\*\*\*\*\*

#### PRESIDENT'S MESSAGE:

Involvement is certainly the key to a happy, successful life, and this applies to our "ham" life. Amateur Radio is unique among popular hobbies in that we are closely controlled by necessary

lations. This poses problems, but opportunity. We can help shape the industry. Never has it been so important for INDIVIDUALS, we get involved, write PR activities. How Amateur Radio fits into the upcoming WARC conference, whether affected by local, city, county, state laws affecting RFI, antennas, etc. is a great deal on the image we project in our communities, and to our legislative representatives, city councilmen, etc.

How to help? Write letters to FCC on important dockets. Participate in Field Day which is a good IMAGE BUILDER, as well as FUN. Let's resolve that in 1977 we will be doers for Amateur Radio. For instance, FCC needs letters now with suggestions as to how to cope with amateur licensing procedures. They are short handed. Nobody likes to see bureaucracies grow, but it does seem that appropriation of funds for some temporary help, to

"get over the hump" would help. If you agree-- write your H/R representative and U.S. Senator. Maybe you have a good idea to help with the procedure,--then write to John Johnston, FCC.

Under DOCKET 21135, Club and RACES licenses are threatened with extinction as they are included with "multiple" licenses for phasing out. We think they serve a very useful purpose and should be retained. If you agree, for heaven's sake, write FCC and say so! Don't let it be said--it happened because I didn't do my part to prevent it.

At the June meeting, we'll have an update on several FCC Dockets. See you there.

- o O o -

#### NOTES FROM HR REPORT:

AN OPEN FCC-AMATEUR DISCUSSION of current Amateur Radio Topics is likely to take place in Washington sometime in June. The idea came out of this week's Gettysburg visit by representatives of the various Amateur Radio publications, and could provide a much-needed forum for the Amateur Community and key FCC people. Any suggestions for agenda items should go to JOHN JOHNSTON, FCC...

MORE APPLICANTS FOR FCC EXAMS are showing up at Commission Field Offices -- up to 10 times last year's numbers at some of the offices -- but a greater percentage of applicants are failing. April figures show that 1610 out of 2920 Tech applicants failed, while 1253 of the 2311 General seekers blew their CW tests. 1660 passed their Advanced exams, while only 697 failed; 693 Extra applicants made it, while 123 failed the written and 306 couldn't get past the 20-wpm code test.

TOUGH NEW AMATEUR SPECIFICATIONS and the specter of Type Acceptance aren't fazing the makers of "Amateur" linear amplifiers they were supposed to put out of business -- Palomar Electronics has announced their linear amplifiers are now all filtered to better than 45 dB down; Marina Electronics' new ads claim "FCC Type Acceptance Pending!"

ARRL LIFE MEMBER APPLICANTS who beat the April 1 dues boost should finally be hearing from the League in the next few days. The backlog has finally been conquered, so those who don't get an acknowledgement this coming week should contact Hal Steinman.

\*\*\*\*\*

#### NEW ARRL DIRECTORIES:

NET DIRECTORY -- 1976 - 1977 --

TEN PAGES! Three-way listing-- (A) by STATE & PROVINCE (Canada), (B) By Net Name, (C) By frequency in ascending order. Plus, Net organization chart, National Traffic System Routing Guide. This is a MUST for your shack. Get yours through your EBRC, plus the new ARRL Pink-Sheet OP-AID-9 and W1AW Schedule Sheet. Get the word at June Meeting.

ARRL New Repeater Directory-- 66 Pages of Country Wide repeaters. Handy for everyone, but a MUST for the travelling ham with mobile gear for any of the repeater bands, 54, 144, 225, 450. Get one through EBRC.

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#### BOB HOPE RECORDS PUBLIC SERVICE ANNOUNCEMENTS: (WORLD RADIO)

Bob Hope has lent his great talent to amateur radio operators by recording several public service announcements for distribution to broadcast stations.

The messages stress the ability of amateurs to provide emergency communications in time of disaster and to keep a pool of technical talent available.....

W1AW Operating Schedule (April 24-October 30, 1977)

POST	CDST	EDST	UTC	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY	SUNDAY
6 A.M.	8 A.M.	9 A.M.	1300	Slow <sup>1</sup>	Fast <sup>2</sup>	Slow <sup>1</sup>	Fast <sup>2</sup>	Slow <sup>1</sup>		
7 A.M.	9 A.M.	10 A.M.	1400			Cw Bulletins <sup>3</sup>				
8 A.M.	10 A.M.	11 A.M.	1500			RTTY Bulletins <sup>4</sup>				
1 P.M.	3 P.M.	4 P.M.	2000	Fast <sup>2</sup>	Slow <sup>1</sup>	Fast <sup>2</sup>	Slow <sup>1</sup>	Fast <sup>2</sup>	Slow <sup>1</sup>	Slow <sup>1</sup>
2 P.M.	4 P.M.	5 P.M.	2100			Cw Bulletins <sup>3</sup>				
3 P.M.	5 P.M.	6 P.M.	2200			RTTY Bulletins <sup>4</sup>				
4 P.M.	6 P.M.	7 P.M.	2300	Slow <sup>1</sup>	Fast <sup>2</sup>	Slow <sup>1</sup>	Fast <sup>2</sup>	Slow <sup>1</sup>	Fast <sup>2</sup>	Fast <sup>2</sup>
5 P.M.	7 P.M.	8 P.M.	0000			Cw Bulletins <sup>3</sup>				
6 P.M.	8 P.M.	9 P.M.	0100			RTTY Bulletins <sup>4</sup>				
6:30 P.M.	8:30 P.M.	9:30 P.M.	0130			Phone Bulletins <sup>5</sup>				
7 P.M.	9 P.M.	10 P.M.	0200	Fast <sup>2</sup>	Slow <sup>1</sup>	Fast <sup>2</sup>	Slow <sup>1</sup>	Fast <sup>2</sup>	Slow <sup>1</sup>	Slow <sup>1</sup>
8 P.M.	10 P.M.	11 P.M.	0300			Cw Bulletins <sup>3</sup>				
9 P.M.	11 P.M.	12 P.M.	0400			RTTY Bulletins <sup>4</sup>				
9:30 P.M.	11:30 P.M.	12:30 P.M.	0430			Phone Bulletins <sup>5</sup>				

<sup>1</sup> Slow code practice on cw bulletin frequencies, 8 minutes each session; 5, 5, 7-1/2, 7-1/2, 10, 13, 15 wpm.

<sup>2</sup> Fast code practice on cw bulletin frequencies, 8 minutes each session; 35, 30, 25, 20, 15, 13, 10 wpm.

<sup>3</sup> Cw bulletins, 18 wpm, on: 1.835 3.58 7.08 14.08 21.08 28.08 50.08 147.555 MHz.

<sup>4</sup> RTTY bulletins 60 wpm/170-Hz shift on 3.625 7.095 14.095 21.095 28.095 MHz.

<sup>5</sup> Phone bulletins on 1.835 3.99 7.29 14.29 21.39 28.59 50.19 147.555 MHz.

NETS---CODE PRACTICE---BULLETINS

CODE PRACTICE	3590 KHz	Tues. Thru Sun.	8:00p.m.	W6QIE
BULLETINS -- CW	3590 KHz	1st & 3rd Tues.	7:00p.m.	W6ZRJ
BULLETINS -- PHONE	3810 KHz	1st & 3rd Tues.	7:30p.m.	W6ZRJ
NORTHERN CALIF. NET	3630 KHz	DAILY	0300-0430	W6RFF
PACIFIC AREA NET (PAN)	3675, 7082 KHz	DAILY	0430	K7NHL
PAC. NOVICE TR. NET	21,120	Fri. Thru Sun.	0830	WB6JFK
SIRARC NET (CW)	3770 KHz	Friday	0815 (PDST)	
SIRARC NET (SSB)	3925 KHz	Friday	1000 (PDST)	

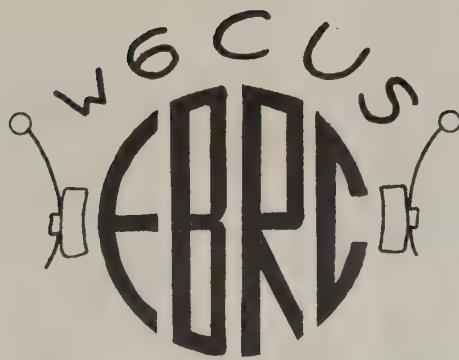
KEEP FOR REFERENCE\*\*\*\*\*KEEP FOR REFERENCE\*\*\*\*\*KEEP FOR REFERENCE

JONATHAN HYMER WB6FJC  
EAST BAY RADIO CLUB  
179 KENDALL ROAD  
WALNUT CREEK, CA 94595

FIRST CLASS MAIL

(A) PM  
OCT 1977

Morrie Pool W6CJI  
7515 Eureka  
El Cerrito, CA 94550



# THE BLOWN FUSE

EAST BAY RADIO CLUB c/o Steve Dodge, K6ZR, 5601 Doremus Ave., Richmond, CA 94805.



The EAST BAY RADIO CLUB meets the second Friday of each month at the Kensington Youth Hut, Kensington Park Road, Kensington, Ca., at 8 P.M.

JULY 1977

## OFFICERS

Pres.	Steve Dodge	K6ZR	233-5833
V.P. (1)	Chris Baldo	WB6OGE	653-1650
V.P. (2)	Dave Bacom	VA6TPJ	233-9568
V.P. (3)	Jim Gale	WA6FDX	525-3692
Sect'y.	John Francis	WA6IWR	233-7704
Treas.	Edith Baldo	WB6WNZ	653-1650
Editor	Jonathan Hymer	UR6FJC	935-5640

## COMMITTEE CHAIRMEN

Fin., Legal, & Housing	Steve Dodge
Membership	Edith Baldo
Publicity & P. R.	Dave Bacom
Field Day	Jim Gale
Programs	Chris Baldo
Education	Steve Dodge
Hospitality	Anna Nicholson
Radio Operations	Dick Gray (Temp.)
C. C. R. C. Reps.	Sid Lagorio, WA6JGZ 526-8604
and	
	Les Bodin, W6JKY

## JULY MEETING PROGRAM

Our program feature for the July meeting will be a talk accompanied by slides, courtesy of the Electronics Communication Department of Standard Oil. This is bound to be an interesting program. Don't miss it.

Also discussion and 'how to get there' for our new meeting place in Albany Community Center. Come and get the full 'scoop'.

## NEWS FLASHES

FCC AMATEUR EXAMS CHANGE.

Exams will now be given at SF FCC Field Office, 555 Battery Street, (Old Custom House), in Room 323-A on WEDNESDAYS, for EXTRA CLASS, 20 WPM, at 8:30 AM sharp, For General at 13 WPM at 10:00AM, and for TECHNICIAN at 5 WPM and 1:00 PM.

All tests will be by the new COMPREHENSION method with a true false or multiple choice test of message content sent. This is effective July 1, 1977

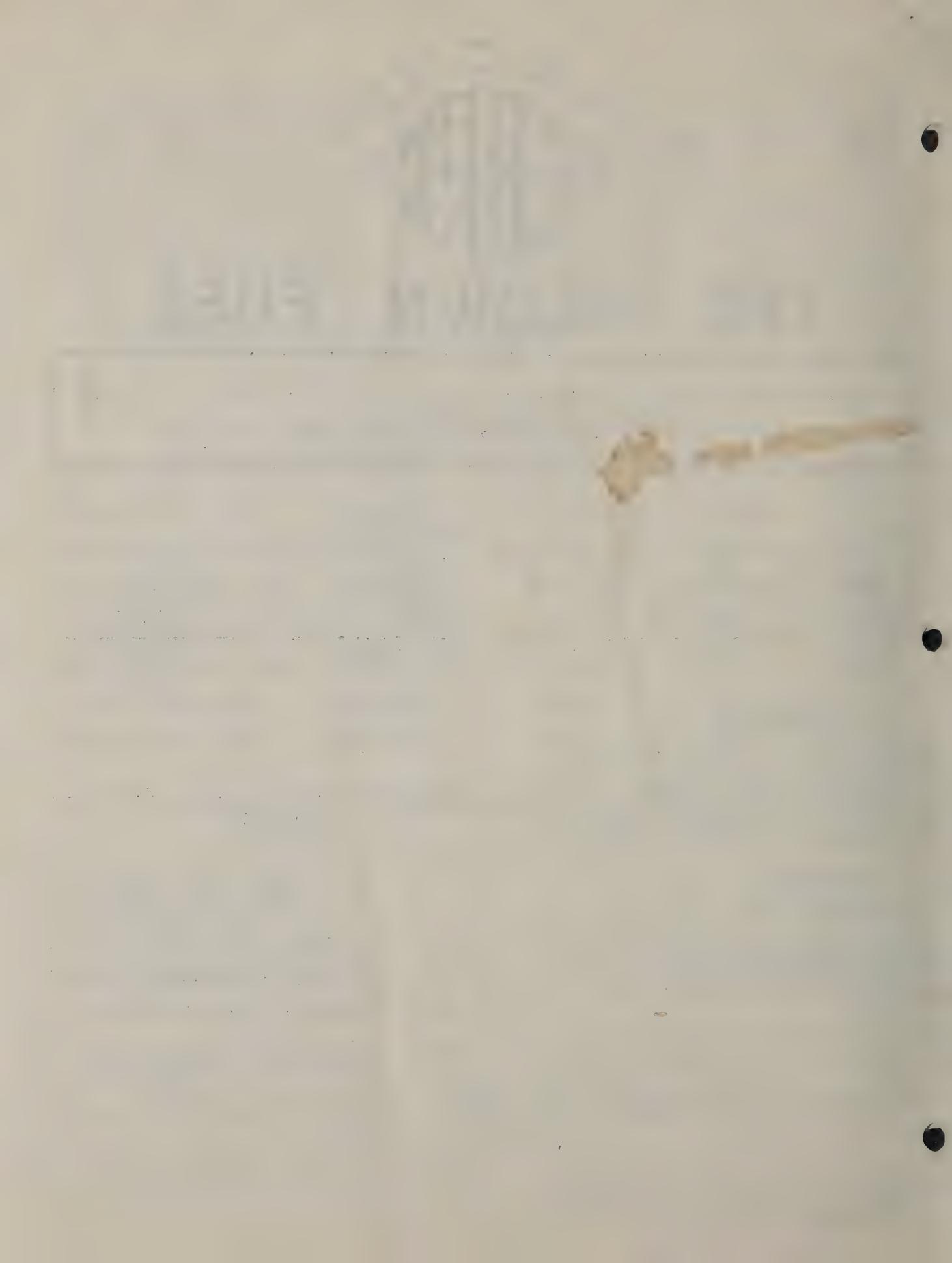
These tests are on a 'walkin' basis, so hit the old code practice oscillator and plan to up-grade soon.

888888888

What with the new QST subscription rates (\$12.00 USA) QST now offers a \$1.50 per subscription bonus to the affiliated clubs, so be sure and place subscriptions and renewals through our club treasurer.

## PROGRAM CALENDAR

July 8	Reg Pierce - Standard Oil Communications Dept. - Oil Spill Communications.
August 12	Safety in the Ham Shack, or Possible Field Trip - Repeater Station
Sept. 9	Show & Tell session. Show off that prize Home-brew project. Share your joys & tears.
Oct. 14	EBRC Fall Auction. Short special.
Nov. 11	Nominations, Election of Officers. Short Special.
Dec. 9	Christmas Party. Awards. Inauguration.



#### \* NEW TWO-METER REPEATER:

Good news for you two-meter enthusiasts. A new repeater will soon be on the air in the Bay Area. The repeater is a product of the newly formed Contra Costa Communications Club of San Pablo.

This machine will be located on Pearl Tank Hill, which is the hill above the Park Theater in El Sobrante.

The repeater will offer autopatch facilities as well as good coverage. The FCC has yet to assign the repeater a call.

For more information on the repeater, write to P.O. Box 661, San Pablo, CA 94806.

\*\*\*\*\*

#### NEW RTTY MODEM BOARD:

For those who enjoy RTTY, or want to get into it, a new modem board has been announced. This board contains an AFSK generator, TU, Autostart, and Auto CWIDer programmed with your call. The board all but warms your coffee for ya!

The board is available by mail for a modest price. For information, contact WA6DNR in San Anselmo.

(Both items contributed by David Bacom--WA6TPJ).

\*\*\*\*\*

#### NEWS FROM HAM RADIO HORIZONS:

REPLY COMMENT OPPORTUNITY is rarely utilized by Amateurs but offers an additional chance to provide input to the FCC on its impending actions. The Commission has typically allowed only two weeks for Reply Comments on Amateur Radio proposals but has been wondering if a longer period---say a month---for filing Reply Comments would encourage more Amateurs to file them. Comments on the idea should go to John Johnston at the FCC.

FCC/AMATEUR DIALOGUE has been severely curtailed as a result of a court decision handed down in Washington. In its ruling in the case of Home Box Office vs. the FCC, the U.S. Court of Appeals of the District of Columbia stated:

"Once a Notice of Proposed Rule Making has been issued... any agency official or employee who is or may reasonably be expected to be involved in the decisional proceeding, should refuse to discuss matters relative to the disposal of the rule-making proceeding with any interested private party or any attorney or agent for any such party prior to the agency's decision."

#### NEVADA HAMFEST:

The Nevada Amateur Radio Association presents the 1977 Sierra Hamfest in Reno, Nevada, on Saturday, August 13, 1977. There will be prizes galore, and will include drawings for a 2 meter FM transceiver as a pre-registration prize, and an Atlas 215 transceiver to be given away as a grand prize.

The Association notes that it is EXTREMELY IMPORTANT that you make your own hotel/motel/RV space reservations well in advance because the Reno area will be alive with transients during August.

The pre-registration deadline is August 1, 1977. Pre-registration forms must be received by this date to qualify for lower ticket prices. Your cooperation will be greatly appreciated as this will simplify planning procedure. Check should be made out to the Nevada Amateur Radio Assn., Inc. and should be sent to them at P.O. Box 2534, Reno, Nevada 89505.

#### PRESIDENT'S MESSAGE:

Another important step affecting the EBRC future has been taken by your Board of Directors and the Housing Committee in presenting to the membership a proposal to change our meeting place. Faced with an unfavorable rent increase, a new meeting place has been sought for. Through the good offices of EBRC member Pat Griffin, WA6SCW, Vice-Mayor of Albany, use of a meeting room at the Albany Community Center has been arranged. The room will seat 100 or so.

In addition, an adjacent room is available for smaller groups, classes, committee meetings, etc. Space is also available for a good sized cabinet so that some club equipment can be kept at the meeting place. This will keep in class work, and can hold a transceiver for club operation. Our prior meeting places were lacking in storage space.

Another benefit is the availability of space and possible joint use with the Albany Civil Defense Office of Emergency Facilities. This would permit sponsorship by an official CD agency---a necessary requirement for club participation in the RACES program.

RACES activity is not only an excellent training program, but a real opportunity for good PR and Public Service of community benefit.

Your support of this recommendation from your Board of Directors at the July meeting will be appreciated. More details at that meeting. See you there!

A second break for the club has come about, again through the help of Pat Griffin, WA6SCW, who is on the staff at the UC Field Station at Stege. Our club gear, Field Day antennas and other equipment has been stored there for some time by arrangement of past President, Lyman Wiltshire, WB6SMY. Lyman has moved his operation to Stanford University--which left the club without confirmed storage space for the "transpontainer." Fortunately, at one of the buildings of the Soils Lab (UC Field Station) headed by Pat Griffin, there is "alongside" space available for the transpontainer and also for a small portable building which the club can use for additional storage and as a workshop.

We are fortunate indeed to have the use of this space, and we express our thanks to Pat for his help in arranging it.

These two arrangements clear the way for some good solid planning for club activities, including classes. Your continued support will bring it about.

---Steve Dodge, K6ZR, Pres.

#### NOTES FROM HR REPORT:

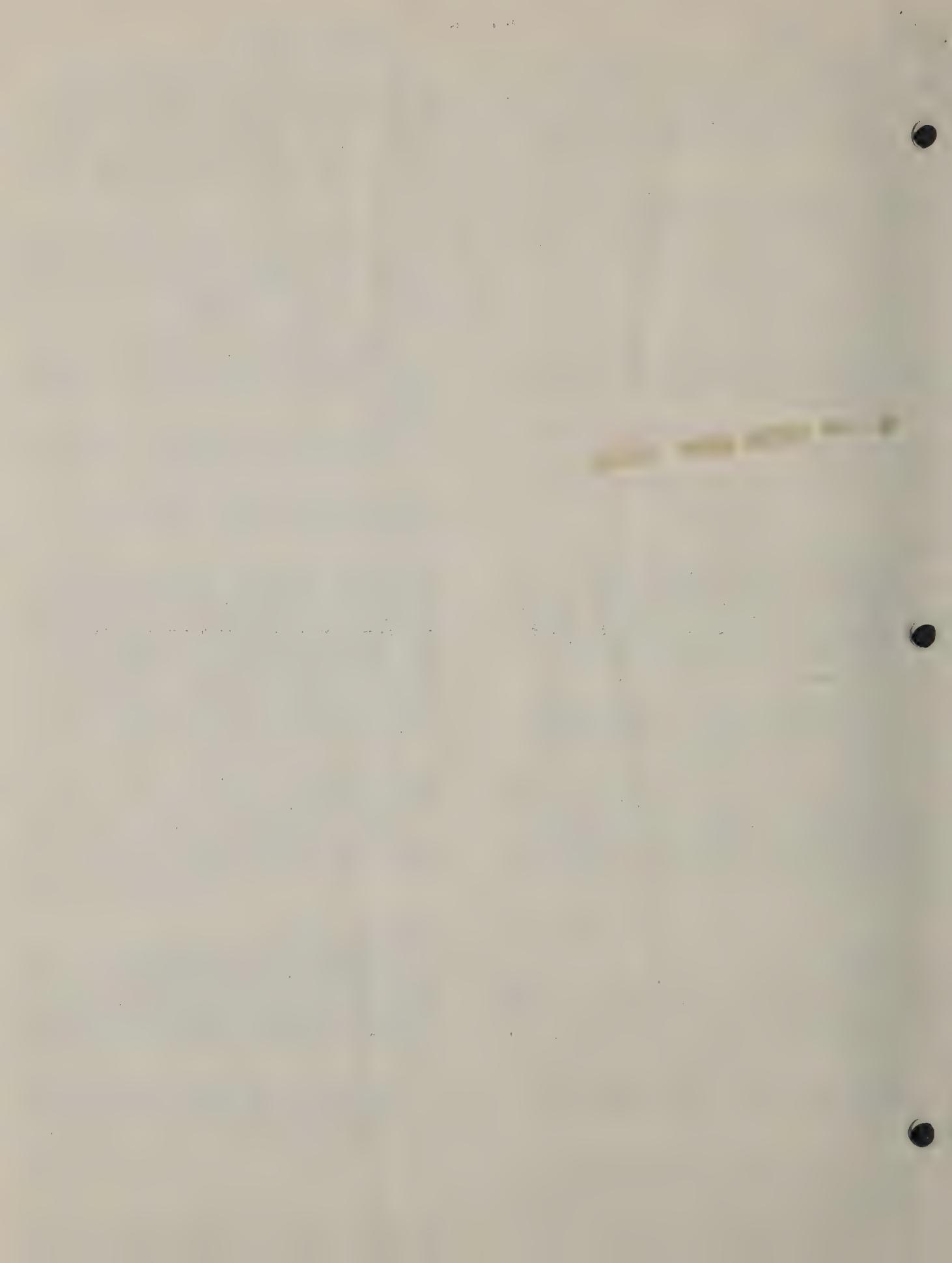
GETTYSBURG RECEIVED A REPRIEVE and the radical personnel cut scheduled for June 10... didn't come off after all. Best news of all is that the previous "temporary" positions the people leaving had held are to be made permanent and those people, who have been filling the slots so well, will be staying in their jobs and working into permanent status themselves.

The Reprieve Doesn't solve all of Gettysburg's problems, however. The Amateur workload continues to increase, and an estimated 10-20 additional people are going to be needed if the facility is to keep working smoothly.

---HR Report, Number 153

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BE SURE TO ATTEND THE NEXT MEETING BECAUSE WE WILL DISCUSS OUR MOVING TO ANOTHER LOCATION. SEE YOU THERE!!!



## FIELD DAY HUGE SUCCESS

The EBRC 1977 Field Day must be put down in the records as a success event, and credit is due to the team effort organized by Jim Gale, WA6FDX, F/D chairman. Set-up was at the south end of Port of Richmond Terminal Warehouse No.3 - on Harbor Way. Use of this property was granted by the Port of Richmond by Capt. Tom Eddy, Director, to whom we express our appreciation for this cooperation.

Les Bodin, W6JKY, had the 5 KW generator in top shape and it performed faultlessly except for one premature gas shortage about an hour before F/D closing. A quick trip for gas and we were back in business.

Two other lower powered generators were tested and held in stand-by, thanks to Jim Gale, WA6FDX and Joe Lee, WB6DOB. Operations were hot and heavy on 80, 40, 20, and 15. Top scorer by a wide margin was Paul Zeppa, WA6VJH, who brought down his portable three element beam and Heath 101 transceiver. Sunday AM early he put up a short vertical on the embankment next to the harbor channel, and threw a coil of wire into the salt water for ground. First contact was with RUSSIA! Numerous other asian contacts followed. Paul's main operation was on 20 M, and he had some good assistance from John Nelson, K6PJ and John Polese, WA6QIN. Action was divided between phone and CW with Paul's excellent operating ability paying off handsomely in the jungle of high speed CW on 20. Tally is not complete at this writing but his contacts filled several pages, and were in 'the hundreds'. Our thanks to Paul and crew for this great boost to our score and he will be more than welcome at future EBRC F/Days.

Lyman Wiltshire, WB6SMY, though limited in time he could be present was active from his camper, and Jim Gale in his camper, parked next to Lyman's shared time on the HW-16, with some additional help from John Polese, WA6QIN, and John Chapman, WN6AYT.

Carl Clark, WA6KTL, set up his ATLAS in Jim Gale's camper and passed his newly acquired General Class license, working both 40 and 80.

Ted Culliver, WA6ORG, operated his Heath 107 from his car, first trying 40 on a long wire, but then changed to a vertical mounted to the cyclone fence, using the fence for ground, which worked pretty well, a wire counter-poise about two hundred feet long! This probably helped a lot in his very good number of contacts.

'Lew' Lewellen, WA6JSO; hauled down Steve Dodge's trailer and parked it near the fence, also used by Steve for 'ground', then Lew gave a big hand on setting up various antennas and rigs, and then stayed active on '2-meters' from his pick-up, giving a good work-out to his new ICOM 245.

Steve Dodge, K6ZR, had a busy show going from his trailer, using his National Receiver and Viking Ranger on CW only. Heavy mutual interference was encountered by those working '40' so Steve concentrated on '80', which was pretty lively during the night, but slow during daylight hours as expected. But this made for good experience and practice for some of the newer 'ops' and a good hand was offered by Editor, Jonathan Hymer, WB6 FJC, and Ravi Narasimhan, tech student. Frank Taylor's, WA6VBV, long wire tuner, a 'Unique' worked great tuning the long wire which Robt Woodworth ran to the flagpole on the warehouse building for Steve. Robert also gave a big hand with the generator 'gassing' during the night hours, and helped in other ways with antenna set ups, and break out after closing.

Joe Lee, WB6DOB, ran a good show from his camper, mainly on '40' which was an active band at all hours of the day and night.

The mutual interference from overloading each others receivers, and from key clicks was probably the greatest operating difficulty. Before next year we should do some serious work toward eliminating this source of trouble. With good filtering we should be able to operate within 25 to 35 KHz of each other without too much trouble. Think how close the antennas are to each other on a Navy ship, with half a dozen KW rigs in the same room!

We were delighted to have a visit from official ARRL organization in the person of Earl Appleby, W6IIH, who was out making as many F/D site visits as possible. Earl is SEM, for our East Bay District. He has promised to come to an early club meeting. Thanks for this interest, Earl, and we'll be pleased indeed to have you attend one of our meetings soon.

A very good number of other club members were able to be present during part of the F/D period including Dave Bacom, WA6TPJ, Pat Griffin, WA6SCW, Ilene Gale, WA6IBT, Tony Hirth, WB6QGJ, Frank Taylor, WA6VBV, Chris Baldo, WB6OGE, Betty Baldo, WB6WNZ, Don Larnach, W6SY, Anna Nicholson, WN6DDR, Jake Adams, WB6RFF, Jim Hudon, WB6NTH, Bill Read, Peter Annas, Mike Thorn, Jack and Mrs. Joyce--awaiting license from FCC, Mrs. Tony Hirth and Mrs. Steve Dodge.

All in all, this had to be one of the best Field Days ever for EBRC- with record participation and attendance. Old timers and 'new timers' alike report having a good time, and after all, that's the name of the game. See you all next year!

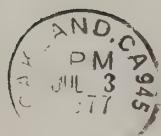
## MEETING MINUTES:

## MEETING OF JUNE 10, 1977

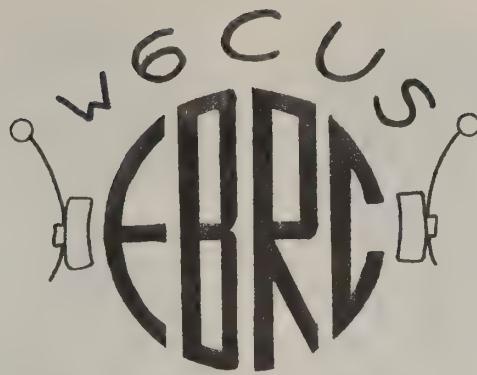
Prior to the business meeting, the club held a small flea market of equipment belonging to Ben Gould, who recently passed away. The meeting was called to order at 2025. Except for secretary John Francis, all officers were present. President Steve Dodge noted some recent H.R. Reports of interest: Ham Radio dealers may sell transmitters and transceivers as being exempt from Docket 20777 (Spurious emission standards), provided that they were manufactured before 4-15-77; hams should write their Congressman to support the neglected Amateur Radio Department of the FCC; Hams may write the ARRL for the new 10 page Net Directory, and for information concerning the upcoming WARC conference; the age requirement for volunteer Novice examiners has been lowered to 18. The Club offered a hearty congratulations to 3 upgraded licensees: Lyman Wiltshire received Technician, Carl Clark received General, and Dick Gray received Extra. Tom Frazier, WD6AGR, will sell new Gemtronics CB rigs (GTX-36) for \$50.00 for purposes of 10 meter conversion. President Steve Dodge recognized two new members--Peter Annas and Roy Rose. Glad to have you aboard, Peter and Roy. The Club discussed a possible meeting location change to Albany. Attention was called to a recent KCBS Radio editorial in support of Amateur Radio. We will recognize this editorial with a Thank-you note. After the coffee break, Jim Gale reported on Field Day; everything is ready to go, and we're hoping to see lots of people there at the Field Day site on South Tenth Street, Richmond. We will also hold a Board meeting at Field Day. Prize winners for the evening were: Ken Snell, Gary Thorn, Ravi Narasimhan, Al Wilson, Don Dunn, Bill Read, and Jim Hudon.

---Submitted by John Polese in absence of  
John Francis

WA6TPJ  
DAVE BACOM  
2017 SUTTER AVE.  
SAN PABLO, CAL. 94806



Morrise Pool 6CJ1  
7315 Eurel  
El Cerrito, CA 94550



# THE BLOWN FUSE

EAST BAY RADIO CLUB, 5601 Doremus Ave., Richmond, CA., 94805

The EAST BAY RADIO CLUB meets the second Friday of each month at the Albany Community Center, 1123 8th St., Albany, Ca., at 8 P.M.



AUGUST 1977

## OFFICERS

Pres.	Steve Dodge	K6ZR	233-5833
V.P. (1)	Chris Baldo	WB6QCE	653-1650
V.P. (2)	Dave Bacon	UA6TPJ	233-9568
V.P. (3)	Jim Gale	UA6FDX	525-3692
Act'y.	John Francis	WA6IVR	233-7704
Treas.	Edith Baldo	WB6WNZ	653-1650
Editor	Jonathan Hymer	WB6FJC	935-5640

## COMMITTEE CHAIRMEN

Fin., Legal, & Housing	Steve Dodge
Membership	Edith Baldo
Publicity & P. R.	Dave Bacon
Field Day	Jim Gale
Programs	Chris Baldo
Education	Steve Dodge
Hospitality	Anna Nicholson
Radio Operations	Dick Cray (Temp.)
C.C.R.C. Reps.	Sid Lagorio, WA6JGZ 526-8604
and	Les Bodin, W6JKY

DOORS OPEN AT 7:30

MEETING STARTS AT 8:00

REFRESHMENTS -- DOOR PRIZE -- RAFFLE

NEXT MEETING:

## SAFETY IN THE HAM SHACK

THIS MONTHS MEETING IS GOING TO PROVE TO BE ONE OF OUR MOST INTERESTING AND MOST INFORMATIVE. THE TOPIC, SAFETY IN THE HAM SHACK, IS ONE THAT AFFECTS EACH AND EVERY ONE OF US. MEMBERS OF THE ALBANY FIRE DEPARTMENT WILL BE THE SPEAKERS. THEY WILL GO INTO WHAT TO LOOK OUT FOR IN THE SHACK WHEN THE JUICE IS ON.

TRY AND MAKE IT! REMEMBER: WE ARE NOW AT THE NEW LOCATION IN ALBANY.... THE ALBANY COMMUNITY CENTER, 1123 8TH ST., ALBANY. THERE IS A MAP ENCLOSED IN THIS ISSUE TO HELP YOU GET THERE.

## PROGRAM CALENDAR

### SWITCH TO SAFETY!

August 12	Safety in the Ham Shack
Sept. 9	Show & Tell session. Show off that prize Home-brew project. Share your joys & tears.
Oct. 14	EBRC Fall Auction. Short special.
Nov. 11	Nominations, Election of Officers. Short Special.
Dec. 9	Christmas Party. Awards. Inauguration.

One cannot follow the various 'news' sections of the several magazines devoted to Amateur Radio and read of the very substantial proposals being considered by the FCC without feeling a bit as must the lyricist who wrote the words for "Look What They've Done to My Song, Mom". Probably never before in the annals of ham radio have there been such sweeping changes under consideration, proposed, or 'in-the-wind' as now, and it behooves us as amateurs to follow them as closely as we can and to EXPRESS OURSELVES loudly and clearly, by letters to FCC or to members of congress when matters are in their realm.

As club members, and those of us who have a hand in getting out the BLOWN FUSE, we owe a vote of gratitude to "H. R. REPORT" for the excellent, up-t-the-minute coverage they publish regarding these regulatory matters. Since HRR is a weekly, (\$20.00/year—and worth every nickle of it) we are able from this fine source to convey the latest words on these happenings and at no extra charge, just our basic subscription save only to give HRR the fine credit it deserves.

In the interest of space saving we occasionally 'boil these articles down' a bit. Much as we are glad to do this, it is physically impossible to include all the information we would like to. To every ham who would like to feel "in the know" and up-to-date we would heartily recommend subscribing to HRR for yourself.

Here are some of the current items in the mill:

A no-code, communicator license, being considered for 220 MHz or 420-450 MHz. Last week's FCC agenda spot was the first airing for this proposal. No Docket number quoted by HRR. They promise more news next week, but that will be too late for this month's BLOWN FUSE, but if they come through we will have word at the August club meeting, another good reason not to miss it!

The move toward "Amateur Radio Equipment for Amateurs" continues strong. "Ham Radio" and "Ham Radio Horizons" advise that strong policy statements are in the making. HRR

FCC advises that NO HAM LICENSES have been mailed since mid-June due to lack of special forms mainly. All licenses held up will be given a June 17 grant date. So hang in there if you wondered if you'd been forgotten! HRR

**NOTE: THE FCC HAS EXTENDED THE DEADLINE BY TWO WEEKS FOR COMMENTS IN THE FIFTH NOTICE OF INQUIRY, DOCKET 20271, THE WORLD ADMINISTRATIVE RADIO CONFERENCE PREPARATORY PROCEEDING. THE NEW DEADLINE IS AUGUST 15. SEE JULY QST, PAGE 56, FOR DETAILS ON HOW TO FILE COMMENTS ON THIS IMPORTANT PROCEEDING.**

-- DE W1AW

"AMATEUR RADIO AND THE NATIONAL WEATHER SERVICE" is a NOAA publication for Amateurs interested in participating in severe storm warning and tracking activities as a public service. For copy, write to Headquarters, Southern Region, National Weather Service, Room 10E09, Federal Office Bldg, Ft. Worth Texas 76102. Cruising Yachtmen take note. Put that ham gear on your boat to helpful service. HRR

FCC hosted "MEDIA WORKSHOP" was rated "outstanding", all mags had reps there plus ARRL and many other groups. This is a most sensible way to have meaningful discussion without the criticism of 'back-room' politics. Discussion and providing information is the key word; 'advising' and 'recommending' is out at these sessions as it should be. Space does not permit covering all the topics but we will have some word at August meeting.

On the local scene, with mundane matters like meeting place, resolved, club storage arranged, etc., your staff feels we should get seriously at two things, a public service effort and a drive to boost our membership. EVERYONE's help is needed in these efforts. Plan to think about and DISCUSS this at August meeting. (SEE MAP for HOW TO GET THERE. ADDRESS, Albany Community Center, 8th St, and MONROE, Albany, (West of San Pablo Ave., in the University Housing Area, two blocks south of Buchanan. See you there.

**REMEMBER: NEXT MONTH'S MEETING WILL BE SHOW-AND-TELL NIGHT. WE'VE ALREADY GOT A FEW PEOPLE LINED UP TO SHOW US THEIR HOMEBREW PROJECTS. WHY NOT BRING ONE OF YOURS? YOU DON'T HAVE TO BE AN EXPERT IN ELECTRONICS. JUST BRING A PROJECT THAT YOU'VE PUT TOGETHER AND SHARE YOUR JOYS AND TEARS WITH US. PERHAPS WE CAN ALL LEARN SOME OF THE TRICKS OF THE TRADE OF PROJECT-BUILDING!**

**BE SURE TO KEEP AN EYE OUT FOR THE NEXT ISSUE OF THE BLOWN FUSE. IT WILL BE A SPECIAL ISSUE DEVOTED MAINLY TO CIVIL DEFENSE, EMERGENCY PREPAREDNESS, AND HOW WE AS AMATEUR RADIO OPERATORS CAN PARTICIPATE IN EMERGENCY SERVICES.**

**THE FCC HAS OPENED UP THE BLOCK OF CALLS AA1AA THROUGH AA077 FOR EXTRA CLASS LICENSEES, TO BE ASSIGNED IN DISTRICTS WHERE THERE ARE NO LONGER ANY 1 X 2 CALLS AVAILABLE, CURRENTLY ONLY IN THE FOURTH AND SIXTH CALL AREAS. THIS IS EFFECTIVE JULY 29, 1977. IF NEEDED IN THE FUTURE PREFIXES IN THE BLOCK AB THROUGH AL WILL BE MADE AVAILABLE.**

-- DE W1AW

The July Membership meeting was called to order at 2012 by President Steve Dodge at the Kensington Youth Hut. All officers present except Jim Gale, 3rd V.P. Guests were introduced and minutes of the June meeting as recorded by John Polese were unanimously accepted. Betty Baldo read the Treasurer's Report which was unanimously accepted. President Dodge read a letter from Chuck Breeding (East Bay Section, A.R.R.L.) alerting our club to a meeting on 7/9/77 in Oakland at 1 p.m., where Mr. Leonard Bleier, Legislative Liaison Officer from California's D.M.V. was speaking in regard to changes affecting special amateur radio call sign vehicle license plates. This change is proposed under Senate Bill 915, sponsored by State Senator John Foran of San Francisco. The membership approved attendance of any club members at the meeting to express our sentiment that such call sign plates serve a constructive community service purpose and are not the same as "vanity" plates. It appears that (the) DMV is on that increasingly common course of bending people and their needs to fit the computer's convenience. On the other hand, we may all look better with opscan marks tattooed on our foreheads anyhow! The secretary was authorized by the membership to write Senator Foran expressing our club's opposition to his bill.

Our new meeting location at the Albany Community Center and club gear storage arrangements, as covered in the July Blown Fuse "President's Message" were reviewed. It was noted that our involvement in the RACES program would be a desireable and constructive activity for us in the area of civil defense communications. The on-time door prize was won by Dick Gray, W6OLN, and we broke for refreshments and "gamming" at 2047.

Meeting reconvened at 2106 and VP Chris Baldo introduced our guest speaker, Mr. Jon Rierson, W6WGV. Jon has been a "ham" for over 20 years and is Supervisor of Radio Microwave Group with Standard Oil of California. His program of slides and commentary on micro-wave networks, installations and sites was interesting and informative. Jon fit right in as one of us, and proved it later by holding a winning number in our prize drawing. We hope he drops in regularly. Prize drawing winners were Dick Gray (when you're hot, etc.), Frank Taylor, Bill Read and our speaker, Jon Rierson. Meeting adjourned at 2212.

--John Francis, Secretary

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FAST BRAG: On June 24, 1977, your Editor, Jonathan Hymer, got his Technician License. (I didn't flunk my General code test because I didn't go for my General!)

Cerrito Plaza Station

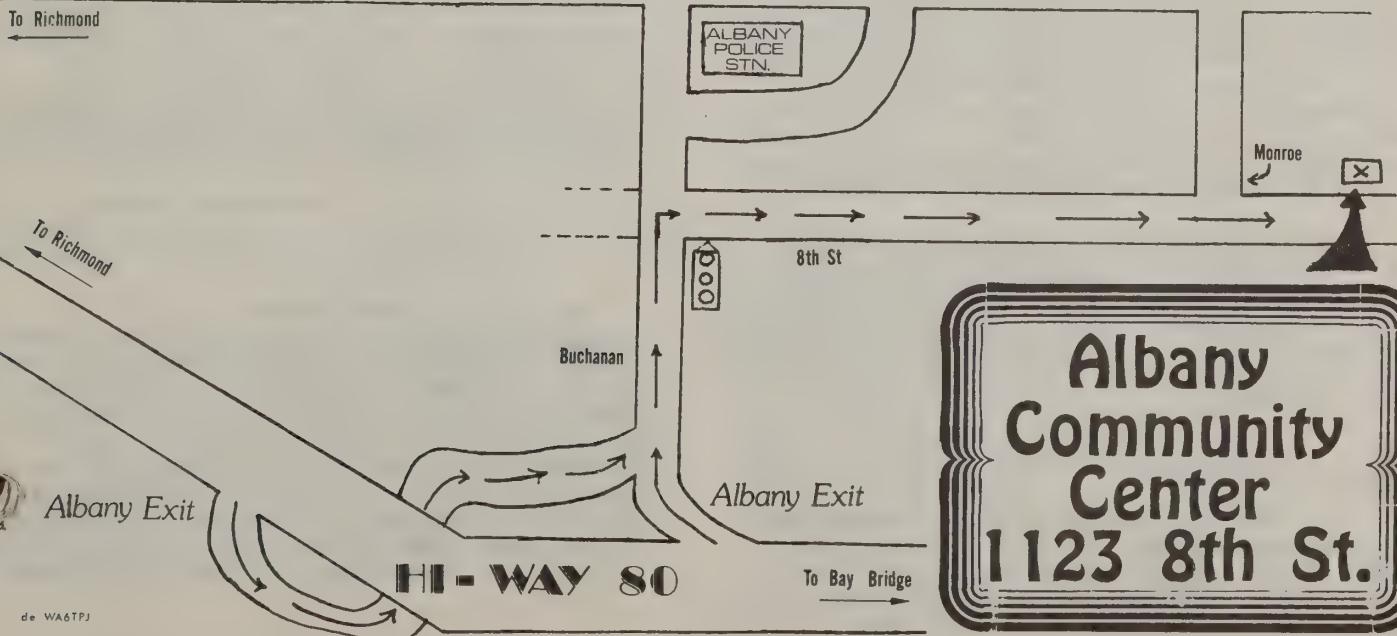


Fairmount



To Berkeley

## SAN PABLO AVE.



THE CBS EDITORIAL REGARDING AMATEUR RADIO  
LICENSE PLATES:

(Reprinted in full from Worldradio, July, 1977)

IN AN 8 JUNE 1977 KCBS RADIO (SAN FRANCISCO) EDITORIAL, EXPRESSING THE OPINION OF STATION MANAGEMENT ON TOPICS OF VITAL INTEREST TO THE COMMUNITY, THE FOLLOWING WAS EXPRESSED. (PETER M. MC COY IS VICE-PRESIDENT, CBS RADIO DIVISION, AND GENERAL MANAGER, KCBS RADIO)

Amateur Radio operators serve as the emergency back-up system for all nine Bay Area Counties. They have special license plates so they can be easily identified by police and county officials, who call on them during emergencies. The fee for these plates has been low, but now there's a bill in Sacramento that, if passed, would discourage Amateur Radio, or "ham" operators, from buying their special plates. The legislation, sponsored by the department of Motor Vehicles and Senator John Foran of San Francisco, increases the fees some 700 per cent. We oppose the bill for three reasons.

First, the price increase is excessive. We think the fees should remain low so ham operators will continue to volunteer their services. When we asked the DMV why they needed the increase, they told us it was to cover computer and production costs. But nobody gave us specific information on how the costs were determined.

Second, the sponsors see ham operator plates in the same way they see "vanity" plates. Well, we think there's a big difference between people who drive classic cars, and those who are in a position to render specific aid in emergency situations.

Third, we think the DMV is trying to pull a fast one on the public. Last year, a similar bill was introduced. Organizations of ham operators successfully defeated that bill, but here we are again with the same proposal. And we're concerned because the DMV says the money will go to the Transportation Fund, NOT to the Environmental Fund, where the money from "vanity" plates goes.

These outrageous fees will discourage Amateur Radio operators from buying special license plates, and that could be a threat to public safety. If the DMV wants more money, we think it should request it upfront. Senator Foran's bill, SB 915, should be killed in Committee.

MINIMUM AGE LOWERED:

The Federal Communications Commission has, effective June 12, 1977, lowered the minimum age for volunteer examiners from 21 to 18 years. All other conditions still apply.

--Worldradio

ONE PERSON'S REPLY:

(This is a personal response from your editor to Mr. Peter M. McCoy, General Manager of KCBS Radio regarding the editorial), a copy of which is printed at left. This is the editor's personal opinion, and not necessarily that of the club.)

Dear Mr. McCoy:

I wish that I could respond earlier; however, personal matters and a vacation have prevented me from writing sooner.

I, as an Amateur Radio Operator, wish to express my sincere appreciation to you and to KCBS Radio for your editorial of June 8, 1977, regarding a proposal by the Department of Motor Vehicles to raise the fee for Amateur Radio call-sign license plates, and to put them into the "vanity" classification.

Although I do not drive a car, (I am 15 years old), I find it important for someone to come out and speak on behalf of Amateur Radio and its purpose.

The Amateur Radio Service is defined as, "a radio communication service of self-training, intercommunication and technical investigation carried on by amateur radio operators," but with such articles as a recent Jack Andersen column recently published, many people view "ham" radio as nothing but a self-serving "hobby" radio service, and is confused with the Citizen Radio Service, which is not required to serve in the public interest.

I feel, as I hope other hams do, that it is very important that people know exactly what the Amateur Radio Service stands for and what ham operators can do. I think that it is very important for people to know that Amateur Radio Operators can provide technical assistance at the scene of an emergency, even if there is no equipment available for communication.

Please accept my thanks again for your fine editorial, and I hope that you will continue your support of Amateur Radio.

Sincerely yours,

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PLEASE REMEMBER THE SEPTEMBER MEETING. WE WILL BE HAVING A GENERAL-INTEREST FILM PUT OUT BY THE AMERICAN RADIO RELAY LEAGUE ON AMATEUR RADIO. THIS FILM TELLS ABOUT WHAT HAM RADIO IS ALL ABOUT, SO IF YOU HAVE A NON-HAM FRIEND OR RELATIVE, BEING HIM OR HER ALONG WITH YOU. THIS WILL BE A GREAT OPPORTUNITY TO SHOW PEOPLE WHAT OUR GREAT HOBBY IS ALL ABOUT AND TO GET THEM "TURNED ON" TO HAM RADIO!! REMEMBER: SEPTEMBER MEETING.

REPEATERS -- BE CAREFUL WHEN USING AUTOPATCH!

The following represents excerpts from a letter written by the FCC in reply to one directed to them by Donald "Fleck" Fleckenstein, KORXT.

"Third party traffic is defined as a communication by or under the supervision of the control operator at an Amateur Radio station to another Amateur Radio station on behalf of anyone OTHER THAN THE CONTROL OPERATOR.

"Third party traffic involving material compensation, either tangible or intangible, direct or indirect to a third party, a station licensee, a control operator or any other person is prohibited.

"Third party traffic consisting of business communications on behalf of any party is prohibited. Business communications would be permitted for autopatch operation. Emergency communications is related to the immediate safety of life of individuals or immediate protection of property."

The above paragraphs are quoted from the FCC rules, part 97.

The FCC answered the following questions as being TRUE or YES:

1. Through an autopatch, is a licensed amateur permitted to secure a grocery list for his home needs?

2. Through an autopatch, is a licensed amateur permitted to secure a personal appointment? (Qualified as being yes only so long as that appointment is with the spouse or friends only--no business.)

3. Through an autopatch, can a licensed amateur report an accident to the police?

4. Is dial-in operation permitted on an autopatch as long as the licensed amateur retains control off the repeater and autopatch?

5. Is it permitted to contact any licensed amateur by dial in capability of an autopatch in case of an emergency?

6. Can a licensed amateur operator contact law enforcement authorities through an autopatch in order to report cases of civil offenses and traffic offenses--robberies, fights, drunken driving, etc?

7. Assuming that a telephone line is tied up (party lines, etc.), can a licensed radio amateur contact a plumber or electrician in case of plumbing or electrical emergencies?

8. Is the use of autopatches permitted when helping with benevolent, non-profit organizations such as Lion Clubs, Heart Fund, Boy Scouts, etc?

The following specific questions were answered NO:

1. Assuming that a licensed amateur operator is also a licensed health care provider, can he be contacted through a dial-in capability autopatch in an emergency?

2. Through an autopatch, can a licensed amateur call in an order to a cafe?

3. Through an autopatch, is a licensed amateur permitted to call an electronics store to inquire about electronic needs for his amateur station?

4. Through an autopatch, is a licensed amateur permitted to cancel a personal appointment (with a dentist, attorney, etc.)?

5. Can a licensed amateur at a sports event give scores or description of plays to another licensed amateur through an autopatch?

6. Through an autopatch, can a licensed amateur make an airline, bus or train reservation for a personal trip?

--TROJAN HARMONIC, GOLBY, KS (REPRINTED FROM WORLD RADIO)

- o o o -

NEW WORKSHOP BUILDING READY:

The new Club workshop building at the U.C. Field Station is in place and operational. We would like volunteers to help us go through club gear presently in the transportainer checking it over for operational capabilities or possible disposal. We also wish to thank Robert Woodworth for his help in setting up the building.

- o o o -

NEW FCC EXAM SCHEDULE (IN CASE YOU HAVEN'T HEARD):

The Federal Communications Commission announced that, effective 1 July 1977, the examination schedule for its Field Operations Bureau, District 12, San Francisco, CA, which is responsible for Northern California, the states of Utah and Nevada (excluding Clarke County) will be as follows:  
EXTRA -- Wednesday, 8:30 a.m.  
GENERAL/ADVANCED CODE TEST (13WPM):--  
Wednesday, 10:00 a.m.  
TECHNICIAN CODE TEST (5WPM):--Wednesday,  
1:00 p.m.

Tests are given on a walk-in basis at Room 323-A, U.S. Customhouse, 555 Battery Street, San Francisco, CA 94111



## AMATEUR RADIO - DMV MEETING

On July 9, 1977, thirty League officials, club representatives, and other concerned amateurs met in Oakland to discuss problems related to amateur radio call letter license plates with Mr. Leonard Bleir, Legislative Liaison Officer of the California Department of Motor Vehicles, and his assistant, Ms. Marcella Flores. Those in attendance felt the meeting was highly successful, and that a great deal of misinformation and misunderstanding was eliminated. Listed below are notes from the meeting which should be of interest to the amateur community.

At the request of the DMV, State Senator John Foran of San Francisco introduced Senate Bill 915 which, among its other provisions, would revise the fee structure for amateur radio call letter license plates. Introduction of the Bill was timed to get it into the legislative hopper for consideration by this session of the Legislature. It is considered a "two year" Bill, and DMV officials believe it will lie dormant until January, 1978, at which time it will be considered by the Senate Transportation Committee.

The fee schedule originally proposed in SB-915 (\$25 for initial issuance of the plates, \$10 annual renewal, and \$12 for transfer) almost certainly will be amended before the Bill leaves the Transportation Committee. This schedule is no longer seriously being considered by DMV personnel.

The DMV itself does not maintain a cost accounting system whereby it can determine the actual costs of producing and processing amateur plates. It commissioned a special study to determine these costs, and the results of that study have just been released in a report entitled "Report to the Legislature of the State of California. Fee Structure of the Department of Motor Vehicles, June 1977." Unfortunately, the figures in this report were determined by lumping all special issue plates, not just amateur plates, into one category and calculating total costs therefrom. Even DMV officials concede this report does not contain the cost details allocable to amateur plates alone.

The DMV has now undertaken a second cost study specifically to determine the per unit cost of amateur plates. The results of this study are due in mid-September. At that time, the DMV will contact the amateur community to reopen negotiations.

The general consensus expressed by amateurs in attendance at this meeting was that we favor an approach permitting us to "pay our own way". We are willing to pay fees commensurate with the actual costs of producing and processing amateur plates. We do not want to be subsidized by the government or other groups, but neither do we want to pay fees in excess of reasonable costs. The DMV personnel indicated they are leaning toward this same position.

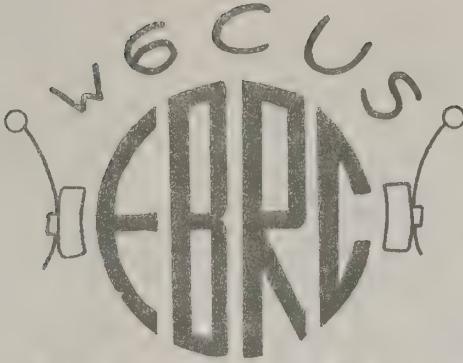
Novice class operators presently are ineligible for plates. Because of recent changes in FCC regulations relating to ~~novices~~ (elimination of temporary WN callsigns and renewability of licenses), the DMV indicated it would consider revising its rules to permit issuance of plates to ~~novices~~.

Between now and next January, all amateurs should document instances when use of their call letter plates aided in public service efforts of any sort. Such information should be forwarded to SCMs so it may be used to strengthen our position that because of the public service offered by amateurs, we are distinguishable from holders of vanity plates and other special interest groups.

WA6TPJ  
DAVE BACOM  
2017 SUTTER AVE  
SAN PABLO, CAL. 94806



Morris Pool W6GJI  
7315 Eureka  
El Cerrito, CA 94550



# THE BLOWN FUSE

EAST BAY RADIO CLUB, 5601 Doremus Ave., Richmond, CA., 94805

The EAST BAY RADIO CLUB meets the second Friday of each month at the Albany Community Center, 1123 8th St., Albany, Ca., at 8 P.M.



## OFFICERS

Pres.	Steve Dodge	K6ZR	233-5833
V.P. (1)	Chris Baldo	WB6OGE	653-1650
V.P. (2)	Dave Bacom	WA6TPJ	233-9568
V.P. (3)	Jim Gale	WA6FDX	525-3692
Sect'y.	John Francis	WA6IWR	233-7704
Treas.	Edith Baldo	WB6WNZ	653-1650
Editor	Jonathan Hymer	WB6FJC	935-5640

Sep. 9	Show & Tell session. Show off that prize Home-brew project. Share your joys & tears.
Oct. 14	EBRC Fall Auction.
Nov. 11	Nominations, Election of Officers. Short Special.
Dec. 9	Christmas Party. Awards. Inaugurations

## COMMITTEE CHAIRMEN

Fin., Legal, & Housing	Steve Dodge
Membership	Edith Baldo
Publicity & P. R.	Dave Bacom
Field Day	Jim Gale
Programs	Chris Baldo
Education	Steve Dodge
Hospitality	Anna Nicholson
Radio Operations	Dick Gray (Temp.)
C.C.R.C. Reps.	Sid Lagorio, WA6JGZ 526-8604

and

Les Bodin, W6JKY
------------------

Jonathan Hymer, WB6FJC  
East Bay Radio Club  
179 Kendall Road  
Walnut Creek, CA 94595

FIRST CLASS MAIL

Morrie Pool  
7315 Eureka  
El Cerrito, CA 94530



PRESIDENTS MESSAGE:

Certainly considering the summer weather having several of our regular members off on vacation, and the doctor having got in his licks during August, we still had an encouraging attendance at the August meeting, and our thanks to Fire Chief Koeptke of Albany for arranging for our program special, a very interesting demonstration of Cardio-Pulmonary Resuscitation (C.P.R.), and though time prohibited exhaustive coverage, the demonstration was sufficient to give a good feel for the importance of the technique and enough feel for the method so that most anyone of us who attended the meeting would feel they could do something useful if called on in an emergency.

This is something that we ought all be more familiar with to the point where we are fully confident of our ability to help a person who might be suffering C/P arrest, to know the symptoms, and the dangers, yet know when and how we should take positive action. Elsewhere in this bulletin, Dave Bacom has given us a schedule of CPR classes by the Red Cross in Richmond, and similar classes are offered in Berkeley and other communities. This is well worth our time to attend the few sessions needed to give a solid feeling of competence. We can never tell when someone's life may be in our hands.

The club expects to finally get some locker space at the Albany Community Center in September, and if we get the necessary permission to put up an antenna or two, then we may look to early set-up of a club station. Nothing elaborate, but for starters, a low-power transceiver seems probable. Thanks to Tony Hirth, WB6QGJ, for his time and help in getting the transceiver ready to go.

Further evidence of the need for hamdom to be on its toes is the proposal for state licensing of amateur and CB transmitters in cars (this in the State of MICHIGAN). See excerpt

from HRR in this bulletin. This poses some pretty problems, as it purports to be NOT a licensing of radios (pre-empted by Federal law) but of autos!

What have you put together lately? Bring it to the Club Sept. 9. Remember this is our once-a-year, "show and tell" night. Your participation will make it a successful meeting.

Since we must be out of premises by 10 p.m. sharp, how about starting just a little earlier? Let's rap the gavel at 7:45, OK? SEE YOU THERE.

--Steve Dodge, K6ZR

- o o o -

ABOUT CPR CLASSES:

Here's some information on CPR and First Aid classes offered by the Red Cross of Richmond. Foremore info on these and other classes, call the Red Cross. You cannot register for these classes by phone, but you'll need to know what materials are needed for the classes. The classes are FREE.

First Aid Classes:

Sat. 9/17 8:30 a.m. - 5:00 p.m.  
Sat. 9/24 8:30 a.m. - 5:00 p.m.

Both are at the Richmond Red Cross An "B" Building.

CPR Class:

Mon. & Wed. 9/19 thru 9/28 7PM-1  
Saturday 9/10 9AM-5

Both are at the Richmond Red Cross Conference Room.

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REGULATIONS MANUALS:

If you want to avoid getting you Part 97 through the mail, then you can get a copy at the Government Bookstore at 450 Golden Gate Ave., San Francisco. The Bookstore is located inside the Federal Building. Part 97 is at page 52, 2nd shelf, of the store.

EBRC MEETING DETAILS

AUGUST 12,

Meeting called to order at 2004 by President Steve Dodge. All officers in attendance except Chris and Betty Baldo who are harvesting their almond crop. V.P. Jim Gale was back with us after his tour of Egypt, Turkey, Greece and the Med. Sid Ligerie was at our end of the Hawaii-Kensi commute and is with

with us again. Guests were introduced. Minutes of previous meeting were accepted by the membership as was the Treasurer's report each as published in the August Blown Fuse.

The club's letter to State Senator John Foran, and his reply (re SB910) were read. A letter from our treasurer was read notifying members that any member holding a card expiring 4/77 can pay dues for the balance of '77 for \$5.00. The president presented selected items from the ARRL Instructors Newsletter and from HR Reports, reminding us of the activities transpiring daily which affect our hobby. Coming events in our area are the South Peninsula Amateur Radio Klub Field Meet, and the Greater Bay Area Hamfest in San Mateo (Oct. 15-16 '77).

Subject to R/C approval, a Novice class is scheduled to start in mid-September at the Richmond Yacht Club. All interested are invited. Get details at next meeting. Dave Bacom told us of the availability of Northern California Radio Council's new repeater list. Also, that a new repeater station is going up on San Pablo ridge. It was noted that hams have been serving during the outbreak of California forest fires by patching firefighters communications. Big Sur fire activity heavy on two meters.

On time prize drawing won by "lucky" Gordon Parsons. Break for refreshments at 2045. Raffle ticket sales brought in \$24.25. Meeting reconvened at 2105. Raffle winners were Gordon Parsons, Carl Clark, Arca Nicholson, Pat Griffin and John Polese. (Gordon held an additional winning number,

but graciously declined his prize.)

Sid Ligerie introduced Albany Fire Ed DeSilveira and Tim Lundgren, our program speakers for the evening. They presented a most interesting discussion and demonstration of the CPR (Coronary Pulmonary Resuscitation) method. Judging from the intense attention paid by our audience and continuing discussions after the meeting, Tim and Ed did an outstanding job of informing us about a subject which may be of untold value someday. Thanks for an excellent program.

Meeting adjourned at 2155. It was our first meeting in our new location at the Albany Community Center, and our turnout showed that the EBRC members are really tenacious and can find their way anywhere as long (as there is a map in the Blown Fuse.)

--John Francis, WA6IWR, Secretary

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#### NEW CLASSES:

A new Novice class will begin Wednesday, September 21 at the Richmond Yacht Club (Brickyard Cove). The General Public is invited.

The class will run about ten evening sessions, with both code and theory being taught.

For more info on the classes, contact Steve Dodge, K6ZR, at 233-58

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#### NEXT MEETING:

Many of us have tried, and often succeeded in building some project the Ham Shack. You are invited to bring your project, (and enlighten us on its construction). It doesn't have to be fancy...and you won't be forced to explain its intricate workings if you don't want to (or just don't know!).

So bring your widget and be part of the show!

## SOMETHING ABOUT

Ham.com, WA6TPJ

In order to write what

the pages of RACES do's and don'ts, I thought that I was ready to forge ahead with the article. And I would have, too, but a few days later I had heard that the FCC had come out with all-new rules.

So, I purchased my new copy of art 97 and started dreading having to read through nine more pages, just to make a minor change. But to just the opposite.

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at the basis

So, the Radio Amateur Emergency Service still remains: a service which provides for operation of Amateur Radio Stations for civil defense communications only, during a local, regional, or national civil emergency.

During such an emergency, RACES stations go into action on frequencies set aside by the FCC for their use. They can only communicate with other RACES stations, or other civil defense affiliated stations.

It is now much easier to become an affiliated RACES station. There is no longer any need for the complicated and detailed communications plan. All you need is a few signatures and file a form with the FCC.

Since the FCC has made it so much easier for hams to become RACES stations, there really is no excuse not to become affiliated. It's not a worthless venture. Don't say that a disaster couldn't happen here...because

## SOMETHING ABOUT WCARS:

By Ted Culliver, WA6CRG

WCARS, West Coast Amateur Radio Service, is different from other amateur nets, services, or similar groups in that it is devoted to monitoring one frequency for the purpose of providing immediate service to the public and to other amateurs by assisting in emergencies, facilitating contacts and arranging to handle traffic. This "instant service" frequency is 7255. It is monitored every day by dedicated operators who keep the services going as long as there are operators and participants and a need for service. 7255 is an active frequency with a control station and relays picking up all breakers and performing services, large and small, continually. Naturally, in order to accomplish these services effectively and efficiently, operation has to be fast-break and snappy with no time for long-winded amenities.

Following are brief calling procedures for 7255:

BREAK-BREAK-BREAK---Use for emergency only--for messages having a life-and-death urgency--such as highway accidents--all stations stand by while net control determines method of handling.

BREAK-BREAK---Priority or urgent traffic having a specific time limit. Traffic hazards and obstructions are examples.

CONTACT---Notifies net control you wish to contact a station just heard.

INFORMATION---Notifies net control you have information that may explain or expedite traffic at hand.

YOUR CALL ONLY---The proper way to break for routine matters. Never say "break."

Never transmit more than one brief sentence without dropping your vox on the latter. Always move all put messages & contacts at least 4KC away from the service frequency.

West Coast Amateur Radio Service, Inc. was organized early in 1963 with a very small group. There are now

more than 600 members from Canada to Mexico and hundreds more stations will make use of the Service every day.

Amateurs like to appreciate the immediate results of their labors, and if racing only for a hobby, the WCARC concept with its instant service and instant satisfaction, fulfill this need daily for many amateurs. Many hams are "turned on" by the opportunity to serve the public and other hams. You may think DX or contests or building are your bag, but you, too, might find that you'll be turned on by this all day every day operation where the action is. Try it. You might like it.

(Encouraged by an article in "CQ Magazine", Oct. 1969).

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#### NOTES FROM HR REPORT:

ST is being dropped by the FCC for all Commission administered Amateur examinations, shortening and simplifying (since examiners won't need CW qualifications) the exams.

Novice Exams Administered by volunteer examiners will still require a sending test, however, to weed out really bad fists.

NEW ARRL GENERAL CLASS TRAINING books went into the mail to all League registered instructors on Monday, (August 15) to all League registered instructors on Monday, in good time to prepare for fall classes starting in September.

CALIFORNIA'S BIG FOREST FIRES have resulted in extraordinary Amateur Radio Support for the massive fire-fighting effort. The Los Padres National Forest in the Ventana wilderness has been burning out of control since August 1 with over 70,000 acres burned in the first week...Over 250 Area amateurs are estimated to have taken part since being called in by the U.S. Army Service August 2...

FINDING VOLUNTEER EXAMINERS for disabled world-wide Amateurs has become a problem in several areas and the FCC is looking for help. Any Amateur willing to administer exams to shut-ins

(Continued next column)

should advise his nearest FCC Field Office, preferably by letter. Be sure to specify what days of the week and hours you'd be available, and how far you'd be willing to travel. Volunteers must be General Class or higher and willing to offer special assistance to physically handicapped applicants.

STATE LICENSING OF CBers and Novice and Technician Class Amateurs has been proposed in Michigan by State Senator Basil Brown. Licensing would apply on to radios used in cars, would require a \$2 yearly registration fee, a description of the rig along with details of where it was obtained, and a description of the car it is installed in. The Proposal, Senate Bill 409, exempts General and higher class Amateurs as well as visitors from out of state.

FCC'S AMATEUR RADIO RULES, updated through March 1, 1977, are now available from the Government Printing Office. One valuable new feature of the revised edition is a comprehensive word index aid in finding rules pertinent to a specific question.

\*\*\*\*\*

Harry Conlin will come to the September meeting with an "Accu-Keyer", which is described in the Handbook. Since the Richmond Club has 10 interested builders, he is asking if some people in our club would be interested in building the Keyer portion only, then a quantity order can be placed, with a possibility of a discount on parts. For more info, call him at 233-0842.

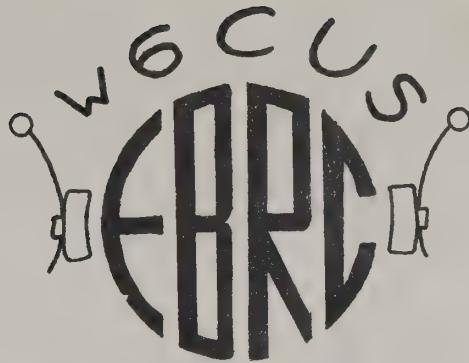
- o o o -

Congratulations to Pete DuMont on getting his license. His call is WD6B

- o o o -

Our Treasurer reports that membership cards which expired at the end of April can bring their membership status up-to-date through the end of September for the mere, paltry sum of \$5.50. It would be greatly appreciated if you would check your membership card to see if your membership has expired. If it has, then payment at the next meeting would be greatly appreciated. Thank You.





# THE BLOWN FUSE

EAST BAY RADIO CLUB, 5601 Doremus Ave., Richmond, CA., 94805

The EAST BAY RADIO CLUB meets the second Friday of each month at the Albany Community Center, 1123 8th St., Albany, Ca., at 8 P.M.



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V.P. (1)	Chris Baldo	WB6OGE	653-1650
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Fin., Legal, & Housing
Membership
Publicity & P. R.
Field Day
Programs
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and

Steve Dodge  
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526-8604  
Les Bodin, W6JKY

Jonathan Hymer, WB6FJC  
East Bay Radio Club  
179 Kendall Road  
Walnut Creek, CA 94595

FIRST CLASS MAIL



Merrile Poole W5CJY  
7315 Euclid, #11, 94530



## PRESIDENT'S MESSAGE:

This month's report will be mainly a review of matters discussed at the Board of Directors meeting, held on Sept. 22 at the residence of 1st VP, Chris Baldo, WB60GE, and Treas. Edith Baldo, WB6WNZ, and their gracious hospitality in accommodating the board is much appreciated.

As you have noticed from successive treasurer's reports, our finances have just about held on a par, with the approximate \$100 gain being close to the return from our recent auction and flea market. It would not have maintained that even keel if we had been put to the expense of monthly meeting place rental, with which we were faced. This is not an impossibility in the future as "free" quarters are hard to come by, and all governmental units which have been maintaining recreation facilities are finding the cost ever increasing, so are faced with recovering some of the costs. We are OK for the moment but cannot be entirely sure of the future.

We do need to more than a barely break even on the coffee and donuts department because with the initiation of a club station soon there are bound to be some expenses and perhaps items we will wish to acquire. Then our club sponsored educational effort needs a bit of financial support from time to time. Our biggest two expense bites are the annual insurance, and Field Day-- both important "musts" for the club.

The real solution is a growing membership. Though our classes have helped to increase our roster, that effort alone is not enough. Your Board discussed plans to more efficiently appeal to many CBers who are interested to further their radio knowledge and experience, and for which amateur radio is the logical next step. To this point, at our forthcoming October meeting, which will be mainly our fall auction and flea market, we will have as a short subject a showing of the ARRL film, "Step Up To Ham Radio",

(cont'd next column)

especially filmed to carry the word to CBers, but to get the max benefit from this film we need YOUR HELP by personally inviting a few of those CBers whose antennas you can probably see right from your own porch! Do you know them? Maybe they have caused you QRM and getting them into our hobby and club may be the best favor you can do for YOURSELF. We have no broadcast way to reach these CBers, no possible way to do it by mail coverage, so here's YOUR golden opportunity to do a real service for your club and ham radio and probably yourself all at one time. Let's pack the house next meeting. It will help put the sale over, too.

The club station approaches reality. Permission has just been granted to erect antennas at the club. A working party is planned for Saturday Oct. 1, which we realize may have come and gone before you get this issue of the BLOWN FUSE, so perhaps we will be on the air within a month.

The end of the year is fast approaching and election of club officers is close at hand. Sid Lagorio, WA6JGZ, accepted the assignment to chair the nominating committee and will have the help of other board members. Several spots are opening up, and this is an opportunity for service to your club and to your hobby. Any member interested and willing to lend a hand on the official family is urged to let his availability known to Sid. Time is of the essence as the proposed nominees will be listed in the November BLOWN FUSE, and the election will be held at the November meeting so that induction can be made at the December meeting, which is planned to be held at the club meeting room with plenty of refreshments and good fun for all.

The following comments are briefed extracts from HR REPORT:

\* Efforts continue to stem the tide of amateur transmitters getting into the hands of unlicensed persons. Manufacturers, distributors and dealers wishing to advertise in QST are being asked to sign a statement subscribing to the ARRL's publicized "Code of Ethics" (continued next page)

EBRC MEETING MINUTES: SEPTEMBER 9, '77

The meeting was called to order at 2000+. All officers were present except John Francis, Secretary. A number of guests joined us, including Harry Conlin, Frank Duarte, Don Hamburger, C.L. (Mickey) Khaler, Leo Lewin, and Jack Mansfield. Congratulations to Frank Duarte, who recently passed his advanced. Ned Lewis presented "Life Line" flyers for upcoming CPR classes. Contact Ned or the Red Cross for class information.

Thanks to high printing costs, our club editor, Jonathan Hymer, purchased his own printing press. He now prints the "Blown Fuse" independently of commercial printers for \$7.00/month instead of \$30.00/month. That should teach the printing companies a thing or two! Jonathan also presented a copy of Amateur Radio endorsements made by Dick Van Dyke and Bob Hope. Ham Radio Reports that the 3 mile limit for maritime mobile QSO's on 80 and 160 meters is abolished. QSO's anywhere in Zone 2 are now legal. The on Time prize drawing was won by Edith Baldo. Raffle Prize winners were Morrie Pool, Dick Grey, Carl Clark, and Joe Lee.

After viewing an interesting Amateur Radio movie produced by the ARRL, club members enjoyed a little Show 'n' Tell of homebrew equipment. Contributions from Dave Bacom, Harry Conlin, Ted Culliver, Gordon Parsons, John Rodosevich, and Ivan Sturman included digital clocks, a C.W. identifier, a programmable electronic keyer, a digital multimeter and prescaler, grid dip and capacitance meters, a tape recorder activator for remote transmission, and even a gravity absence detector (in case the earth's gravity sneaks away!). The meeting concluded with a visit from Fred Barry, K6RTU, running for Director of the ARRL Pacific Division. Meeting adjourned at 2200.

--John Polese, WA6QIN

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PRESIDENT'S MESSAGE (CONTINUED):

and signers will receive a plaque for store posting attesting to the position. We hope this will help. But many practical problems remain. Will it stand up legally? How does a parent buy a transceiver for the son or daughter who is about to graduate from a club run class and who may well have their license before Christmas or Birthday?

\* . . . The KANSAS CITY FLOOD showed again the usefulness of amateur radio in emergency action. Six area repeaters worked around the clock after 12 inches of rain flooded the city causing 23 deaths. Key communications between municipal authorities and dispersed amateur comm centers were maintained, with CBers helping in the effort. Hats off to KC hams for a fine job.

\* . . . FCC ran a nationwide sweep of CB channels and nailed 285 "flagrant violators" from Alaska to Puerto Rico and all areas in between. Out-of-band over-power (linears), "skip-shooting", and failure to ID were top numbers of citations. We applaud FCC for this effort and think only strong action and stiff penalties will cut into the widespread abuses of the CB privilege.

\* . . . ARRL's insurance program will be announced in NOV. QST. Preliminary reports on rates for base and mobile coverage look very favorable.

\* . . . Canadian sellers of linears are now required by DOC to furnish the Government with a written record of sale of said linears and a signed statement by purchasers affirming their knowledge that illegal use could result in fines to \$1000, or up to 6 months in the poky. Hail to Canada's DOC.

\* . . . Texas Instruments, commissioned by FCC to produce a TVI proof receiver, has shown a prototype which reports say looks very promising. Widespread compliance with available technology in production of receivers for radio and TV could take a lot of heat off the FCC, amateur gear manufacturers, and amateur operators. (Continued)

## PRESIDENT'S MESSAGE (CONT'D):

Hot out of today's copy of HRR, and hot off the ARRL (W1AW) bulletin NR 671, courtesy near 100% perfect RTTY copy by Dave Bacom, WA6TPJ, comes word of the far-reaching changes to rules governing repeaters. Boiled down: Special repeaters calls are out (new ones--old ones will phase out--won't be renewed), since repeater operation will be an allowed mode for all individual primary licenses, including club licenses.

ID procedures for repeater stations and control links have been changed. All becomes effective Nov. 4, '77. Technicians are granted increased frequencies to cover new repeater bands, described as 144.5-145.5, 220MHz and up except 435-438 MHz. This means technicians are now allowed 144.5-148.0 MHz.

ID interval has been increased to ten minutes. Special ID procedures apply. Other items before the Commission regarding repeaters were not acted on. Better get a copy of Bulletin (ARRL) 671 and get the full detail if you work repeaters.

Back to general comments. Do you know all the hams who have visible antennas within ten minutes WALK of your house? Have you personally asked each one to join you at the club? If we all work a bit on this we can have the outstanding Amateur Radio Club in Central California--or anywhere!

See you at the October meeting. Bring a CBer to see the special movie.

--Steve Dodge, K6ZR, Pres.

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## TREASURER'S REPORT:

### CURRENT PERIOD    TO DATE

Balance	\$538.47	\$432.24
Receipts	55.00	1545.16
Disbursements	57.41	1009.10
End Balance	536.06	536606
Loss for Period	2.41	103.82

--Edith E. Baldo, WB6WNZ,  
Treasurer

## "MONITORING SERVICE" INTERFERENCE:

The FCC warned it would crack down on willful or malicious interference in the operation of Amateur Radio "monitoring service" networks.

Monitoring service nets function as a meeting place or calling channel for Amateur Radio contacts. Because they operate day in and day out, they provide ready sources of aid in the event of emergencies.

The FCC's Safety and Special Radio Services Legal Advisory and Enforcement Division said that while these nets would appear to provide a beneficial, voluntary service, their operations had not been fully accepted by the Amateur community.

Opposition to the nets stems chiefly from the fact that they use a particular frequency for extended periods, the Division said, adding that this antagonizes many amateurs who feel the nets have unjustly appropriated frequencies and have sought to exercise proprietary control over them.

The Division reported that in some regions of the country, especially on the West Coast, the differing sentiments on this issue had led to feuds in the amateur community.

The principal tactic, it said, has been willful or malicious interference, including unidentified heckling, catcalls and comments as well as a variety of mechanical and electronic noises. Other forms of interference include operation on or too near a frequency already in use, and pretended inability to hear a conversation in progress.

The Division pointed out that willful or malicious interference was prohibited by Section 97.125 of the Commission's Rules, and warned that continued violations would be met with vigorous action to identify the violator, revoke their radio licenses and suspend their operating privileges.

(From Worldradio)  
IF YOUR MEMBERSHIP EXPIRED BEFORE MAY,  
YOU MAY RENEW THROUGH DECEMBER FOR  
\$5.50. PLEASE DO IT SOON!

W6CCS

# THE BLOWN FUSE

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and

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Lea Bodin, WB6JQZ	WA6IWR

Jonathan Hymer, WB6FJC  
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Walnut Creek, CA 94595

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RICHMOND, CA 94805

NOTES FROM HR REPORT:

FCC'S DROPPING OF DOCKET 118%, the proposal that the 220 MHz Amateur band provide a home for a new CB service, doesn't mean that the band won't still become the new CB home. It does remove the immediate threat to the band, however, and many opinions have it that the longer the decision on where CB should go is delayed, the less likely 220 becomes as a choice.

VIDEO AMATEUR RADIO Public Service Announcements (PSAs) have been prepared from material shot at last summer's California forest fires by W6AQ. The very effective 20- and 30-second spots emphasize the voluntary contributions of individual Amateurs at such times. Tapes will be available from ARRL in mid-November to those in a position to get them on local or network TV.

The Audio PSAs by Bob Hope and Dick Van Dyke have generated a truly amazing response--ARRL reports PSA-related requests for information received by the League the first week in October alone exceeded the total receipts for all of 1975.

A PETITION FOR RECONSIDERATION of the FCC's Report and Order on repeater deregulation (Docket 21033) is being prepared by the ARRL. In it three issues will be emphasized: restoration of the WR-prefixed callsigns for repeathers, restoration of repeater licenses, and the need for formal consideration of the needs of the so-called "weak signal" operations.

Plenty Of Support for the League position appears likely, as many repeater groups already oppose the dropping of repeater callsigns and licenses. In addition, reservations over the repeater subband expansion and even the proposed new bandplan for 144.5-145.5 MHz is starting to build among FM users as well as various SWOT and other VHF/UHF user groups. (If you want your opinion to count--write today on this one.)

"AA4" 2x2 CALLSIGNS are now being heard, with AA4AA reported active and AA4CM the former KP4CM's new callsign. Attempts to issue AA6 calls have been rebuffed by the computer, however, but new licensees in the Virgin Islands are receiving KP4 callsigns. The FCC had promised...

require warning labels, and detailed safety instructions for proper installation must be included with each antenna, under the terms of a proposal just issued by the Consumer Product Safety Commission. In its brief announcement of the new proposal, no mention of Amateur Radio antennas was made--possible an oversight, or perhaps intentional?

20-kHz CHANNEL SPACING for the new 2-meter repeater sub-band is receiving very strong support nationwide. The Northern amateur Relay Council unanimously proposed a band plan with 144.5-144.89 for repeater inputs and 145.11-145.49 for corresponding repeater outputs. They designated the 144.9-145.1 slot for non-channelized SSB and CW use, with FM simplex relegated to outside the the new one-megahertz band; 19 of the Northern California systems represented volunteered to move into the new band when it becomes available November 4.

LITTLE FORMAL FCC ACTION for the Amateur Service is likely for the immediate future, following the significant changes announced last week. With a new Chairman and another new Commissioner due on board momentarily, lab but the most urgent matters are expected to be placed on "hold" until the necessary reorganization can be completed.

Still Pending are proposals for the elimination of secondary station licenses, the bandwidth docket, and action on linears.

FLASHLIGHT "CW" SAVED EIGHT after the 37-foot yacht El Arca ran aground on Round Reef off the Virgin Islands shortly after dusk September 3. With no radio, the owner-captain aimed his flashlight toward shore and blinked a distress message that was spotted by KV4FZ. Herb alerted Civil Defense, Coast Guard, and REACT who immediately mounted a successful rescue effort.

5139 AMATEURS THROUGHOUT the world have used OSCAR 6 and 7, according to a compilation just completed by N3ES and WB2DNN. Just under 40 per cent demonstrated, with the rest of the world's 60 per cent demonstrating the international importance of the Amateur space program...

(More HRR news next page)

"THE BLOWN FRSE"

NOVEMBER 5, 1977

NEWS FROM HR REPORT (CONT'D):

DISTINCTIVE PREFIXES SUCH AS KG6 a and KV4 are being discontinued for various Pacific and Caribbean islands, the FCC announced Friday. Instead of their present unique prefixes, all Pacific area U.S. Amateurs will be issued KH6 calls while those in the Caribbean will receive KP4 prefixes. Present holders of calls with the discontinued prefixes will, however, be permitted to retain them indefinitely; the change applies only to new applicants from those areas.

The Prefixes Involved include KG6, KS6, KB6, KJ6, KM6, KP6, KW6, KV6, and KC4 (Navassa). The reasons for the change include freeing up a large number of Amateur callsigns for future Amateur growth and reduction of the processing burden.

Objections From The Amateur community have already been expressed, citing the need to be able to identify specific areas or islands by callsign emergency as well as everyday operations. The Commission is looking into the possibility for distinctive suffixes--for example, KH6SAA for a Samoan station--and it's even a possibility that the list of affected prefixes will be shortened or the whole idea reconsidered.

"HOW CAN THE FCC BEST MEET the growing needs of the Amateur Radio Community Despite Limited Resources?" is the subject tentatively selected for the next FCC-Amateur Media Meeting. On its agenda will be such questions as, "What priorities do Amateurs give the various FCC services, if limited resources make it necessary to cut back or eliminate some of these services?" and "What can the Amateur community or Amateur organizations do for the Amateur Radio service that is presently being done by the FCC?"

No Date Has Yet been set for this next Media Meeting but...expectations are that the Commissioners will schedule the oral arguments in very early December.

A NEW GENERAL-COVERAGE SWL receiver, the C-6500, has been announced by Standard Communications. The new receiver covers 500 kHz through 30 MHz

receiver covers 500 kHz through 30 MHz in 30 one MHz synthesizer-selected bands, is designed for AM, SSB, and CW reception. It's to be available in time for Christmas at \$349. If the panel layout looks familiar it's because the 6500 is essentially the same as Drake's SSR-1.

SUSCEPTIBILITY TO RFI is a new criteria in Consumer Union's evaluation of Hi-Fi equipment. The just-out October issue of Consumer Reports, which also has an interesting rundown on 40 channel CBs, includes how well a nearby CB transmitter's signal is rejected in its evaluation of middle-priced Hi-Fi receivers.

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Because of last month's auction meeting there will be no formal meeting minutes in this issue of the "Blown Fuse".

TREASURER'S REPORT:

	CURRENT	YEAR TO DAT
Beginning Balance	\$536.06	\$432.24
Receipts	109.35	1222.27
Disbursements	79.56	1088.66
End Balance	565.85	565.85
Gain for Period	29.79	133.61

- 0 0 0 -

CLUB GEAR STORAGE:

A tentative arrangement has been made to move the Club's transportainer to the University Village Corporation yard, which is immediately adjacent to the Albany Community Center building where the regular monthly club meetings are held.

Mike Koepke, Fire chief for city of Albany has offered space in the Civil Defense building for storage of three rack and panel units which belong to the club. Thanks to Chief Koepke for his kind assistance.

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The Central California Radio Council has elected new officers. They are Lammy Yeoman, W6URA, for president, and our own Les Bodin, W6JKY, for vice president. Congratulations to both, and we are sure both will do a fine job.

The Club has several pieces of military equipment and is asking someone to check it out for operational condition and to store it for club availability during emergencies. If you would like to volunteer, please call the Editor at 935-5640 eves.

- o O O -

David Bacom, WA6TPJ, has moved to San Jose for new employment, but will continue to be a club member, and will try to attend the club meetings whenever possible.

- o O O -

Thanks to Peter Annas for supplying the paper on which you are reading this month's issue of the Blown Fuse. His generosity has saved the club five dollars in publishing costs for this month.

\*\*\*\*\*

#### GIVE TO THE NOVICE OF YOUR CHOICE By David Bacom, WA6TPJ

A couple of weeks ago at the club Board meeting, a subject was brought up that got a lot of us around the table thinking. The subject; more op's should go on the Novice frequencies and help the Novices.

Just think back to when you were just starting out. By yourself, you probably wouldn't have known that your sending was sloppy, or that your procedure was atrocious. And when you got ahold of your first Extra Class...oh, boy!

Of course, there are some operators like Dick Gray, Don Dunn, and others who frequently get on the Novice bands and help out those who need it. But their time is limited....and they can't talk to everyone. That's where the rest of us come in.

You don't have to spend all of your available time on the Novice bands, but any time is better than none. Even though the conditions may be better on 20, or the C.W. in the General band is really hot, or you're tied up on 2, break away and help the Novices.

gin Island  
the FCC  
WB6WNZ

Answer a Q&Q or put one out. If the Novice needs it, offer suggestions in a tactful manner. Don't sit there and criticize or make fun of them.

The reward is great, too. You'll get many QSL cards with sincere "Thank you"s for your efforts. And you'll be satisfied knowing that you're doing your part to try and keep ham radio operators at their high level of quality.

- o O O -

The November meeting will consist of election of officers for the new year. BE SURE TO COME AND MAKE YOUR VOICE BE HEARD. These new officers will decide club policy for the next full year, so it is important that you come to register YOUR choice.

- o O O O -

Again, the Treasurer, Mrs. Beith Baldo, requests that you check your membership cards. If the card shows that your membership expired at the end of April, you can renew through December, for \$5.50. Dues are \$8.00 per year, so you can renew for the new year at the next club meeting. Remember, for members under 18, dues are half price. Also remember, your dues pay for printing this paper, so that we can publish little notices like this one it it.

- o O O -

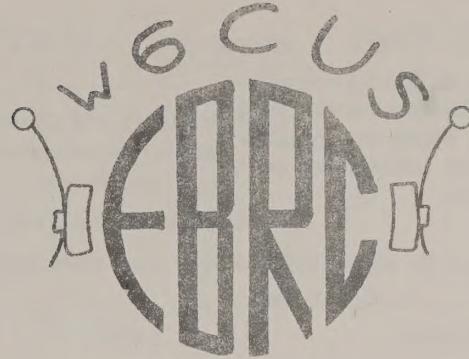
#### NOTES FROM QST "LEAGUE LINES":

Repeater rules change on November 4! Technical and repeater frequencies will expand on 2 meters. All this and more from FCC action on Docket 21033. Be sure to see "Happenings" and "FM Repeater News" this issue.

2-meter users: Remember the OSCAR uplink passband between 145.8 and 145.9 MHz. The satellite will pick up your simplex fm, so move down the band for your local communications. Please give satellite users a break; they can't QSY

2x2 calls with AA prefixes will be made available to Extra Class licensees only when all W,K and N prefixes have been assigned for a particular district

Dec. 7



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and

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FIRST CLASS MAIL

Morrie Pool W6CJI  
7315 Eureka  
El Cerrito, CA 94530



Official call 771Number 220**LICENSE FOR ~~Restricted~~ AMATEUR RADIO STATION**

This station is not licensed to  
transmit weather or market news  
reports, music, concerts, speeches  
news or similar information or  
entertainment.

**DEPARTMENT OF COMMERCE**  
**BUREAU OF NAVIGATION**  
**RADIO SERVICE**

**Reassignment of call and number.**

Pursuant to the act to regulate radio communication, approved August 13, 1912,

of Washington, county of King,  
city or town Seattle, street 10th Avenue, No. 1409,

having applied therefor, is hereby granted by the Secretary of Commerce, for a period of two years, on and subject to the restrictions and conditions hereinafter stated and revocable for cause by him, this License to use or operate the apparatus for radio communication (identified in the Schedule hereinafter) for the purpose of transmitting private radiograms or signals, notwithstanding the effect thereof extends beyond the jurisdiction of the State or Territory in which the said station is located: *Provided*, That no interference other than may result under the restrictions contained in this License shall be caused with the radio communication of stations of the Government of the United States or licensed stations.

2. The use or operation of apparatus for radio communication pursuant to this License shall be subject also to the articles and regulations established by the International Radiotelegraphic Convention, ratified by the Senate of the United States and caused to be made public by the President, and shall be subject also to such regulations as may be established from time to time by authority of subsequent acts and treaties of the United States.

3. The apparatus shall at all times while in use and operation be in charge of a person or persons licensed for that purpose by the Secretary of Commerce, and the operator of the apparatus shall not wilfully or maliciously interfere with any other radio communication.

4. The station shall give absolute priority to signals or radiograms relating to ships in distress; shall cease all sending on hearing a distress signal; and shall refrain from sending until all the signals and radiograms relating thereto are completed.

5. The station shall use the minimum amount of energy necessary to carry out any communication desired, and the transformer input shall not exceed ~~one-half~~ one-half kilowatt.

6. The station shall not use a transmitting wave length exceeding 200 meters.

7. The station shall not use a transmitter during the first 15 minutes of each hour, local standard time, whenever the Secretary of Commerce by notice in writing shall require it to observe a division of the time, pursuant to the Twelfth Regulation of the act of August 13, 1912.

8. The President of the United States in time of war or public peril or disaster is authorized by law to close the station and cause the removal therefrom of all radio apparatus, or may authorize the use or control of the station or apparatus by any department of the Government upon just compensation to the owners.

9. The Secretary of Commerce and Collectors of Customs or other officers of the Government authorized by him may at all reasonable times enter upon the station for the purpose of inspecting and may inspect any apparatus for radio communication of such station and the operation and operators of such apparatus.

10. The apparatus shall not be altered or modified in respect of any of the particulars mentioned in the following Schedule except with the approval of a radio inspector, or other duly authorized officer of the Government.

Name of naval or military station, if within 5 nautical miles, Seattle, Wash.

Power: Transformer input, 500 W. Antenna: Type (T, Y, etc.) Inverted L

Height, 50; horizontal length, 60

(Above ground) Wires: Number in vertical part, 4; in horizontal part, 4

The normal sending and receiving wave length shall be 200 meters and the station is  
(Not exceeding 200)  
authorized to use the following additional wave lengths, not exceeding 200 meters:  
meters, meters.

This License expires on December 8, 1924, 1924.

Herbert Hoover

EDWIN F. SWEET

*Assistant Secretary of Commerce.*

D. B. CARSON

E. T. CHAMBERLAIN

*Commissioner of Navigation*

Delivered by Oscar Ridder

(Radio Inspector)

Place Seattle, Wash.

Date

OCT 8 - 1922

, 1922

<sup>1</sup> Strike out "one" if the station be within 5 nautical miles of a naval or military station; otherwise strike out "one-half."